

FIG. 1

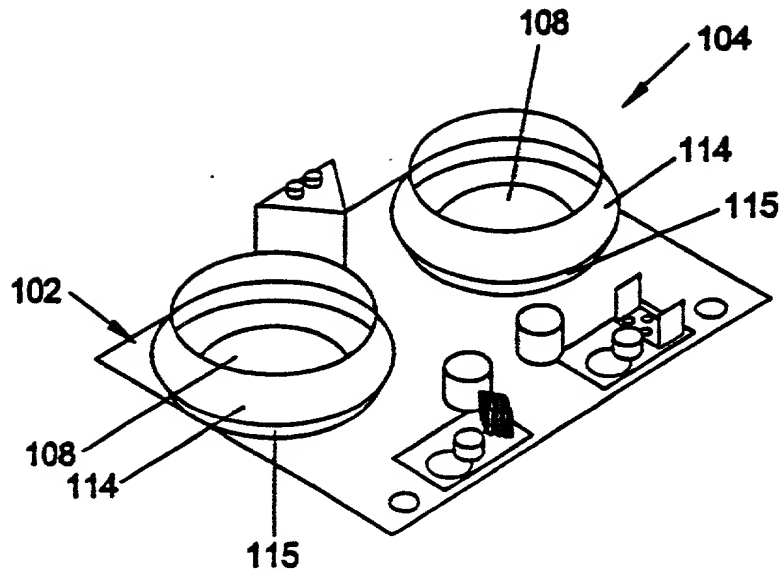


FIG. 2

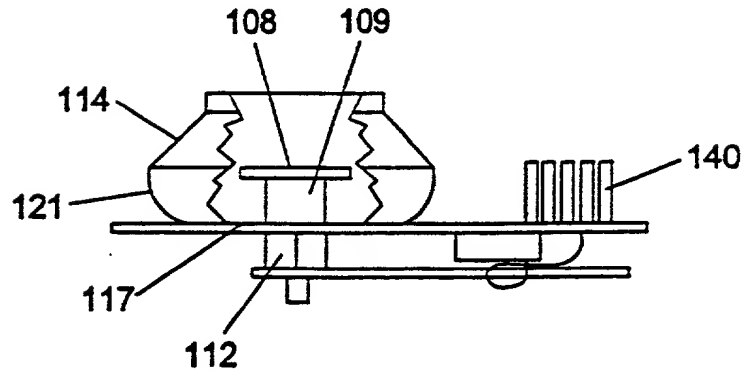


FIG. 3

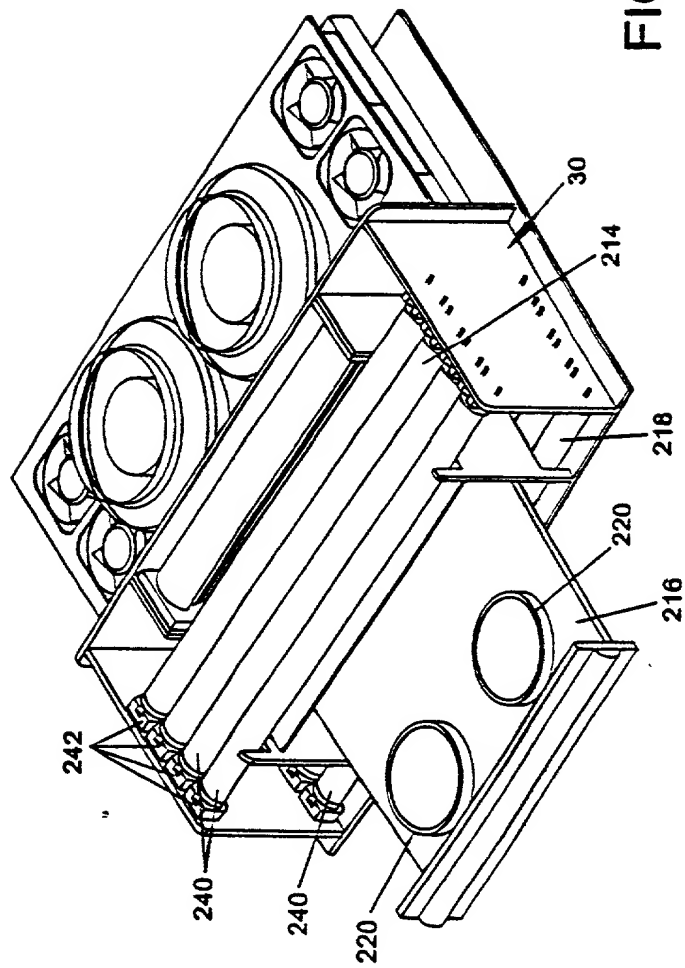


FIG. 4

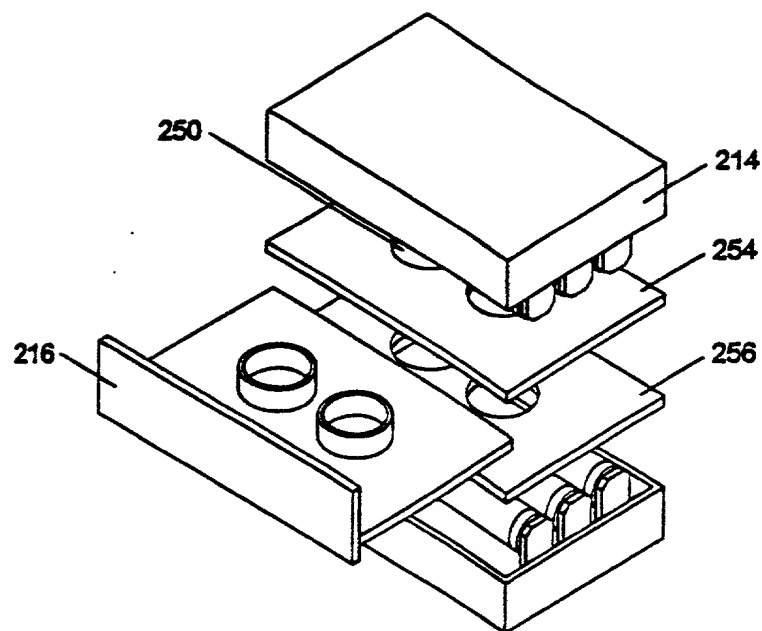


FIG. 5

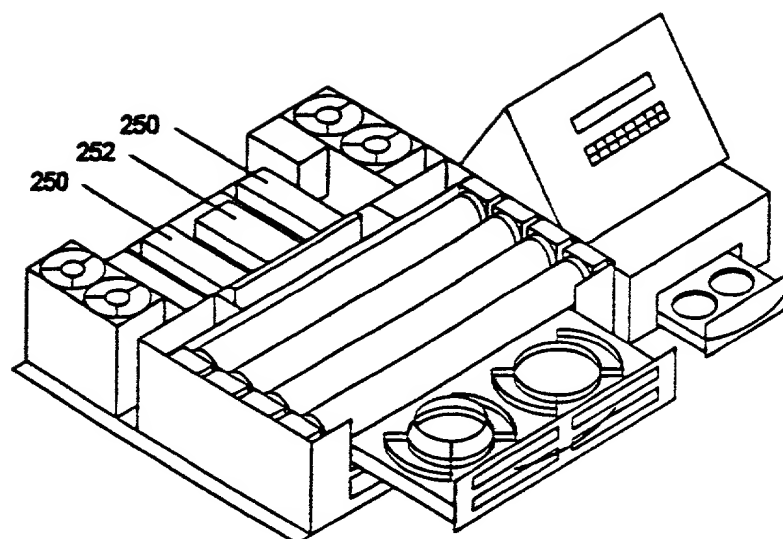


FIG. 6

FIG. 7 is a schematic diagram of a system 700. The system 700 includes a first device 711, a second device 714, a third device 712, a fourth device 716, and a fifth device 716. The first device 711 is connected to the second device 714. The second device 714 is connected to the third device 712. The third device 712 is connected to the fourth device 716 and the fifth device 716. The fourth device 716 is connected to the fifth device 716. The third device 712 includes two components 718.

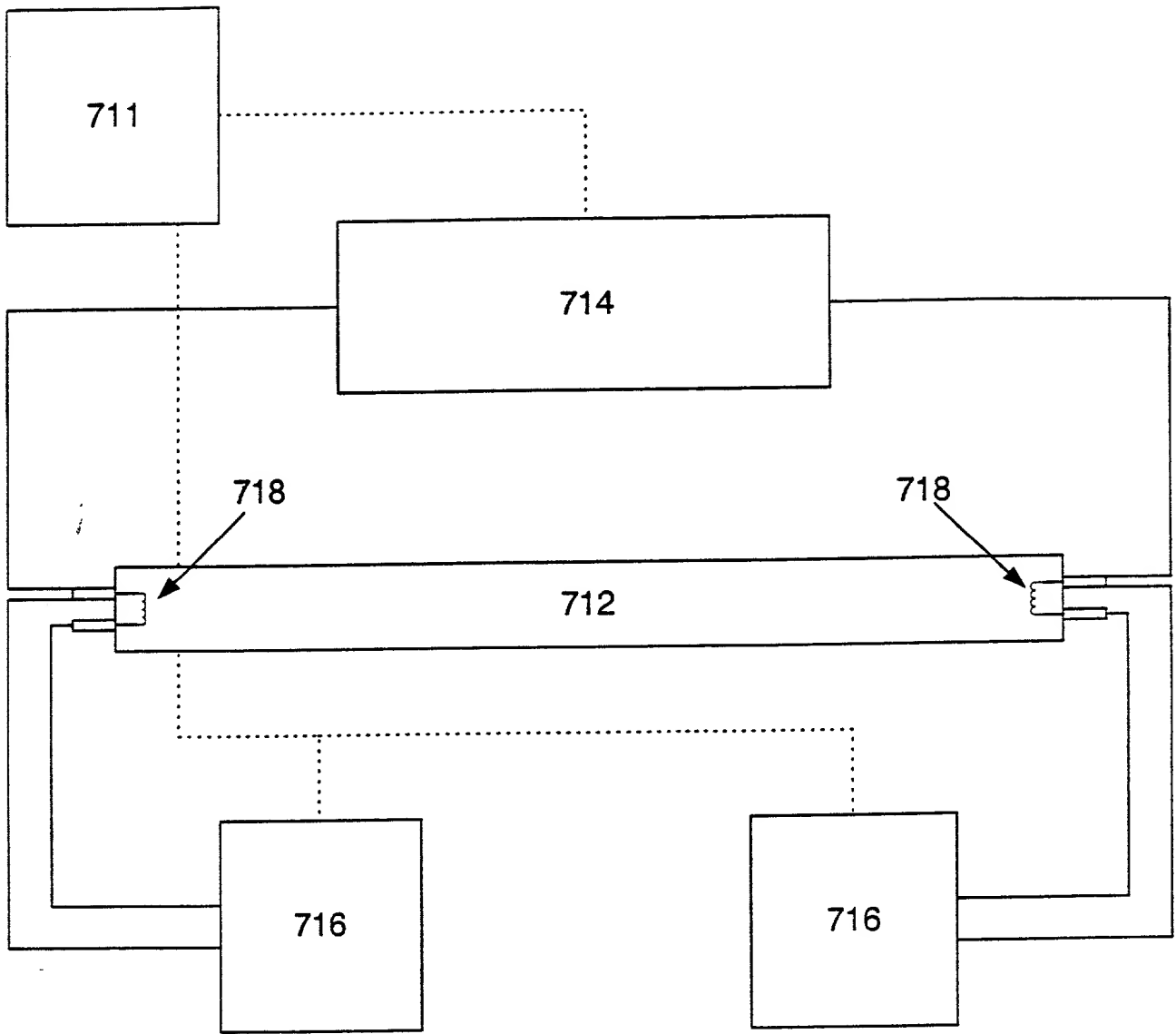


FIG. 7

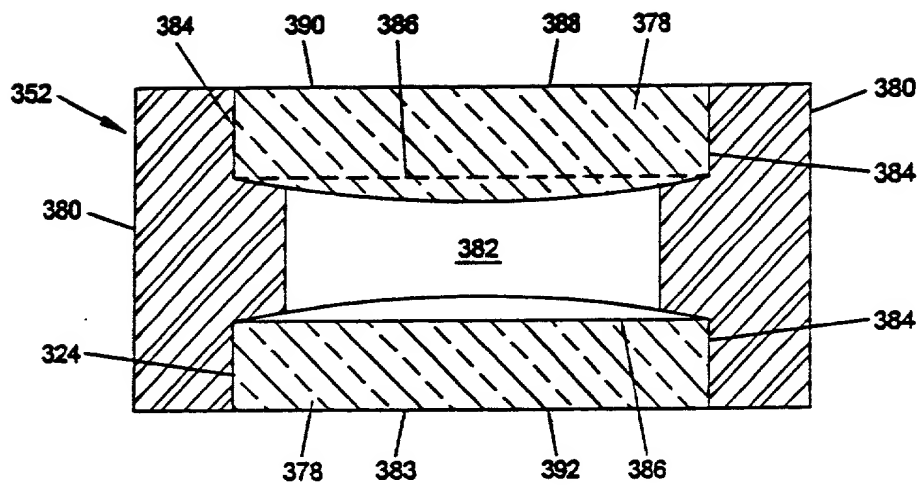


FIG. 8

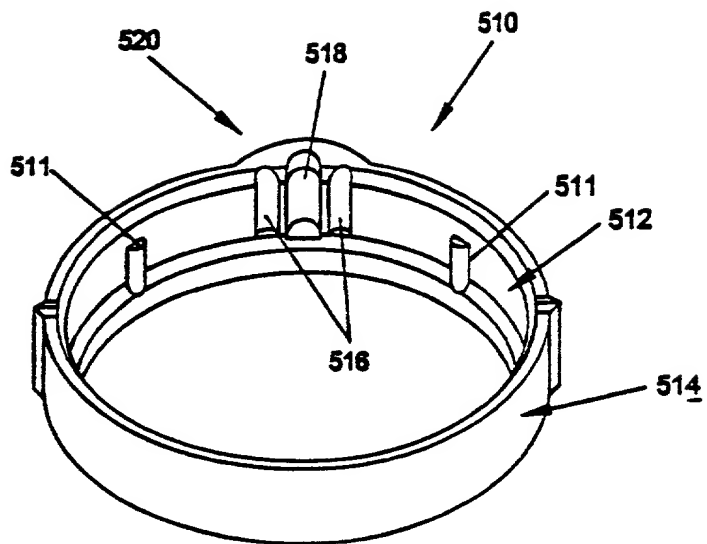


FIG. 9

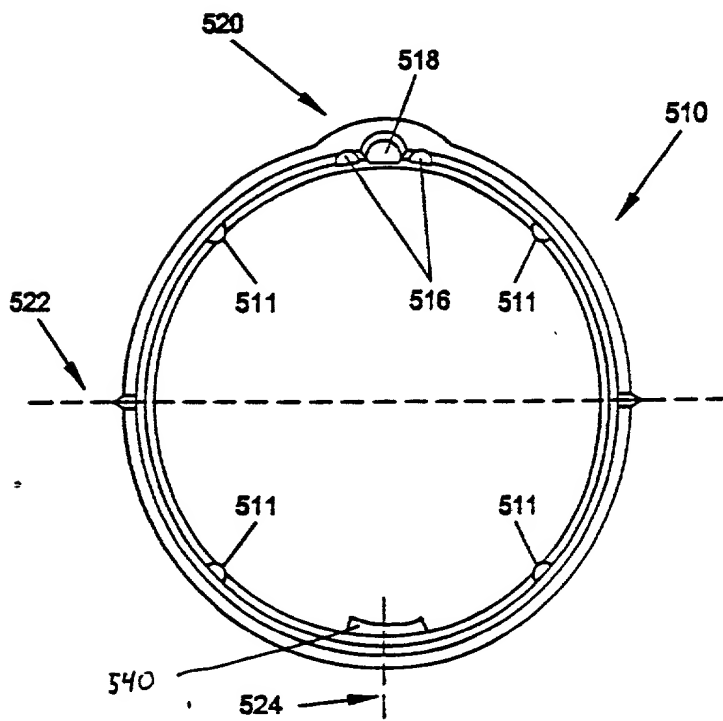


FIG. 10

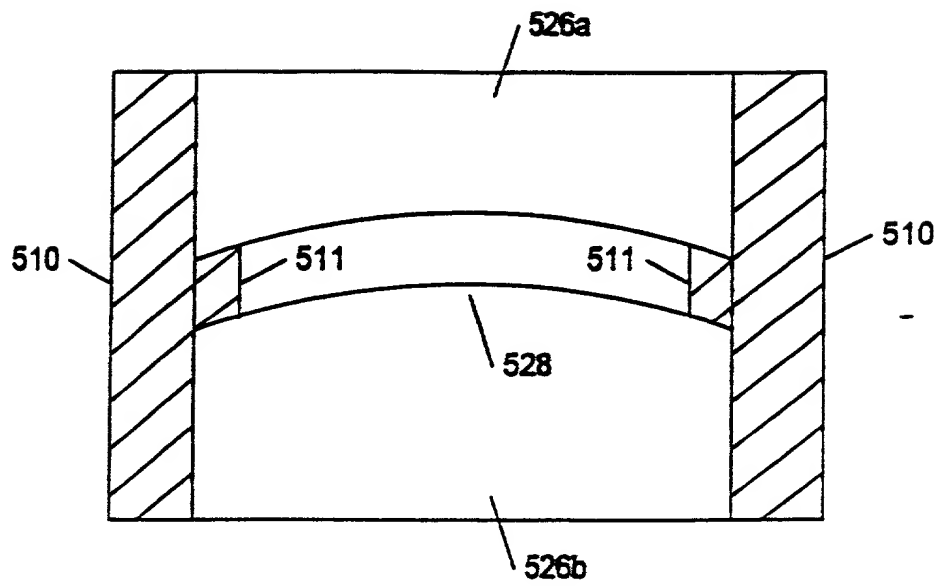


FIG. 11

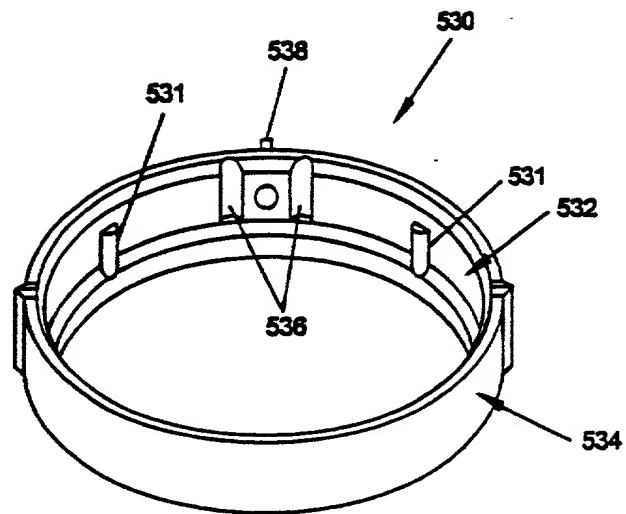


FIG. 12

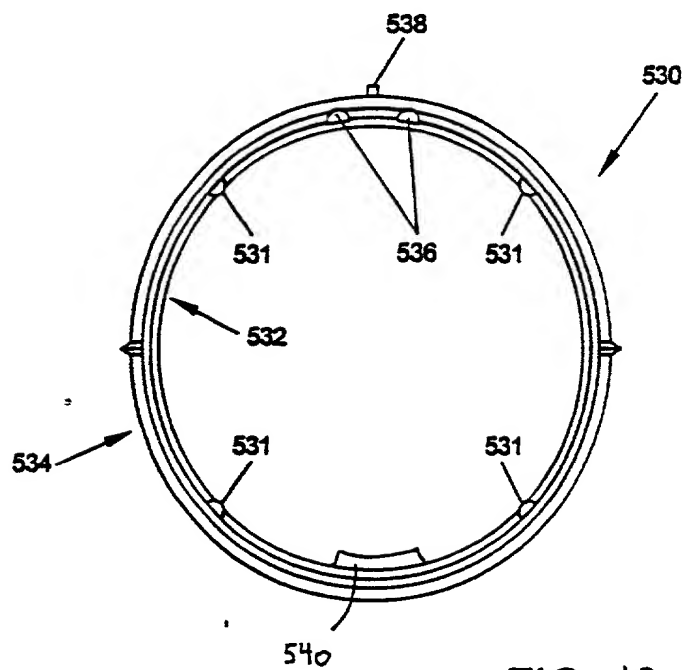


FIG. 13

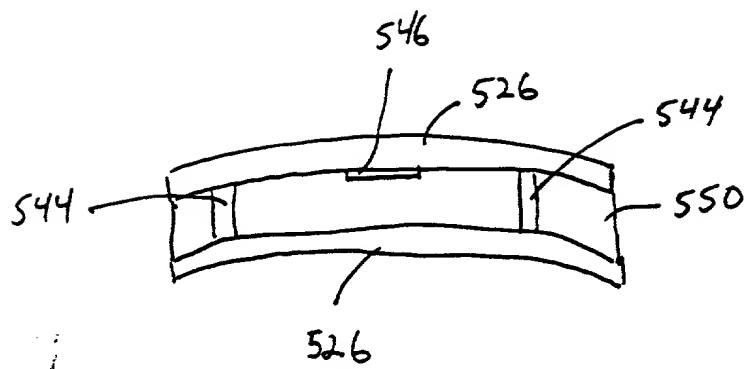


FIG. 14

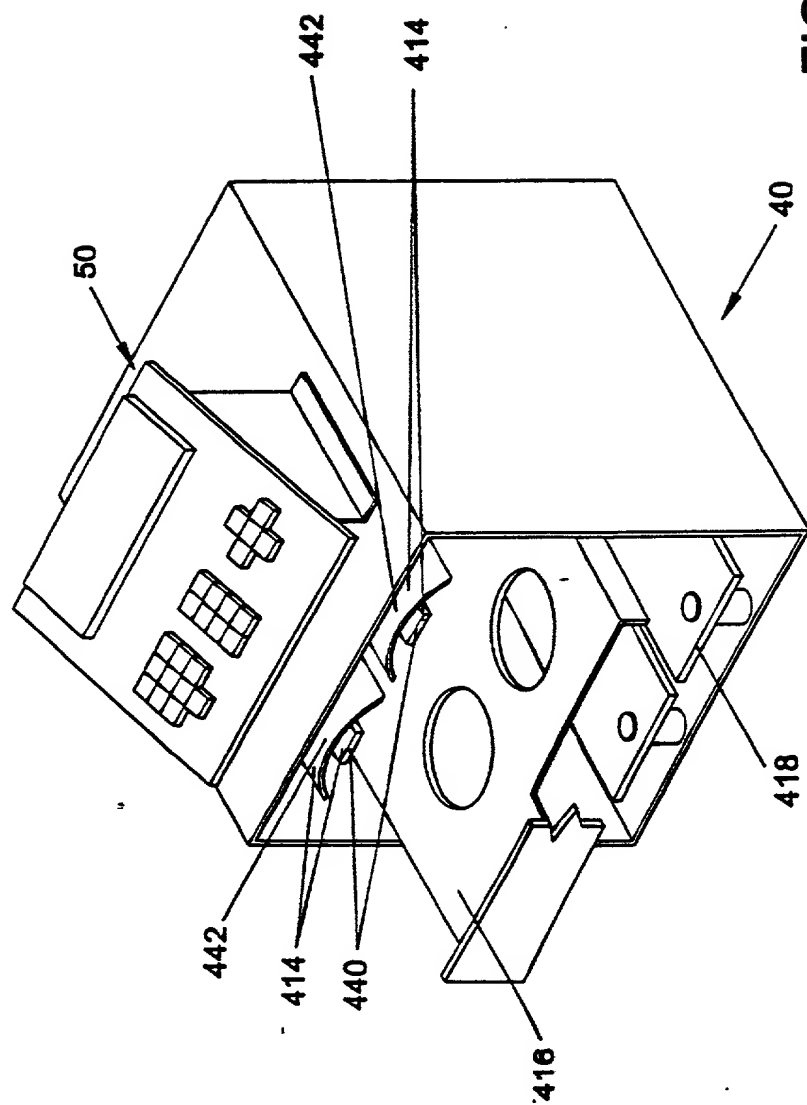


FIG. 15

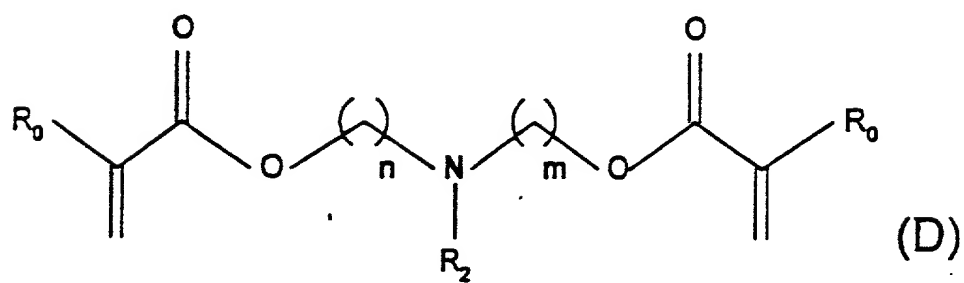
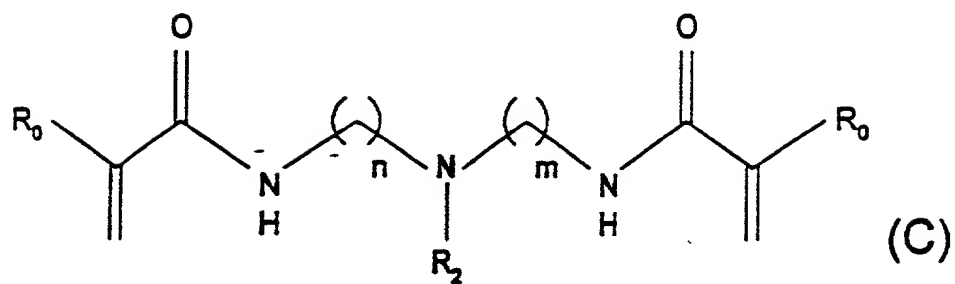
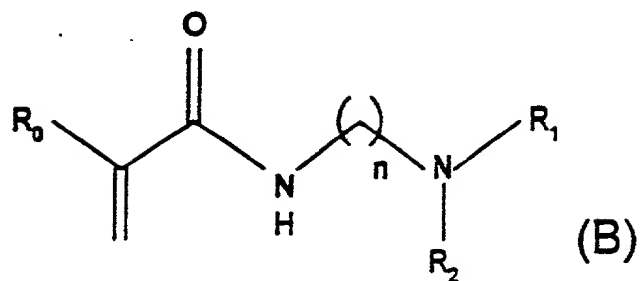
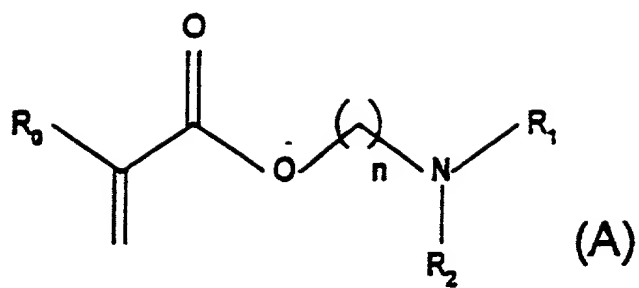


FIG. 16

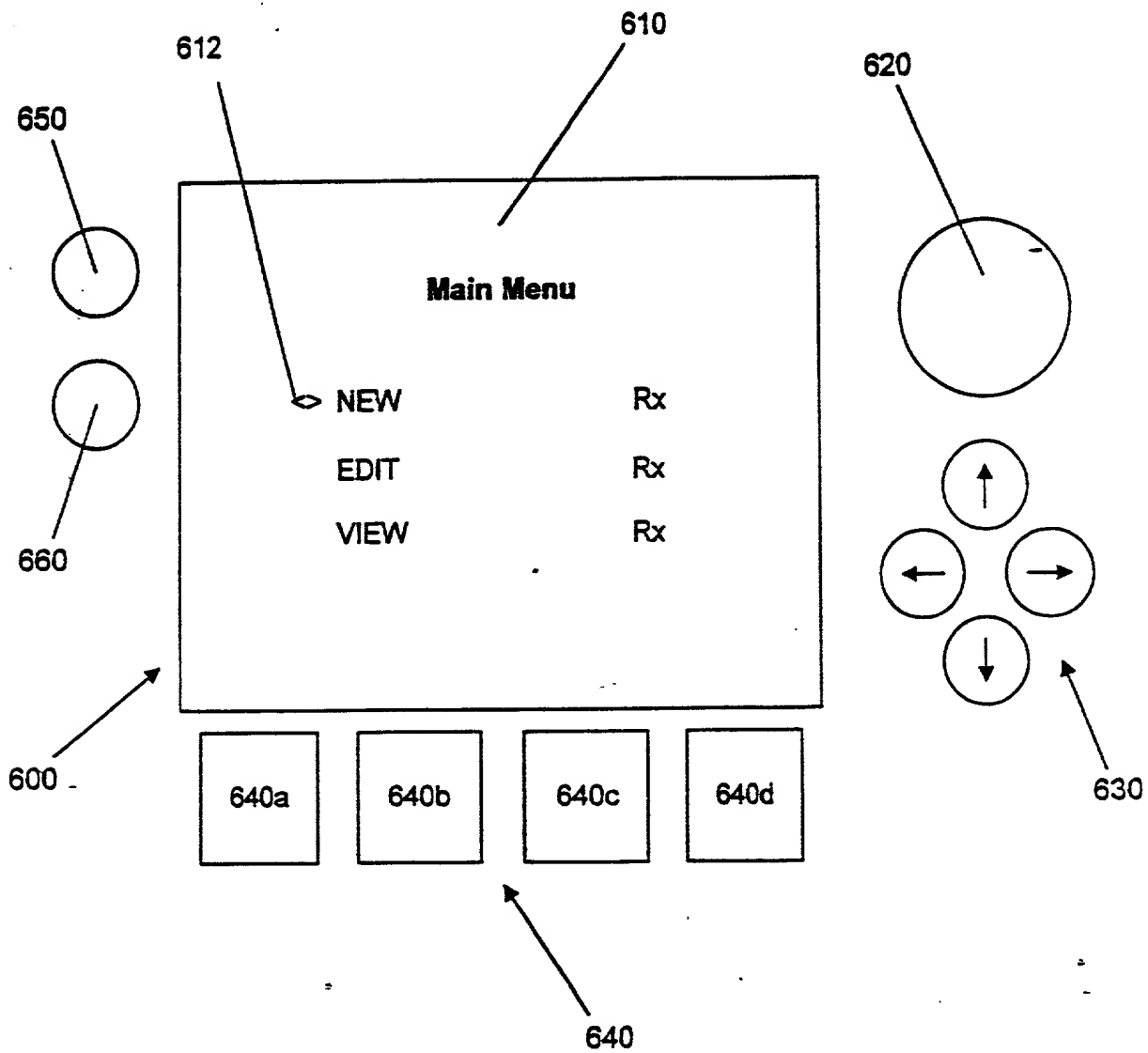


FIG. 17

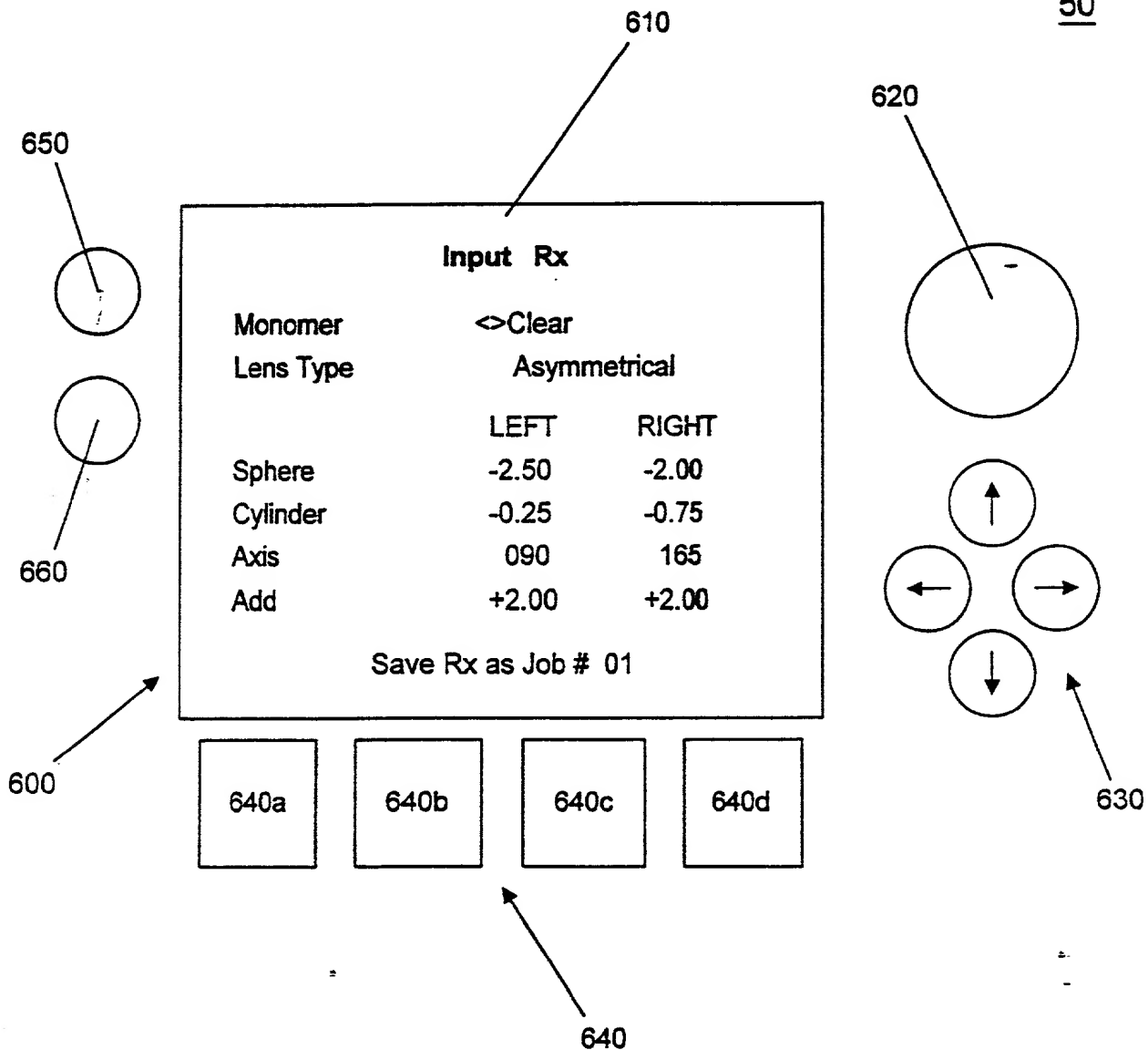


FIG. 18

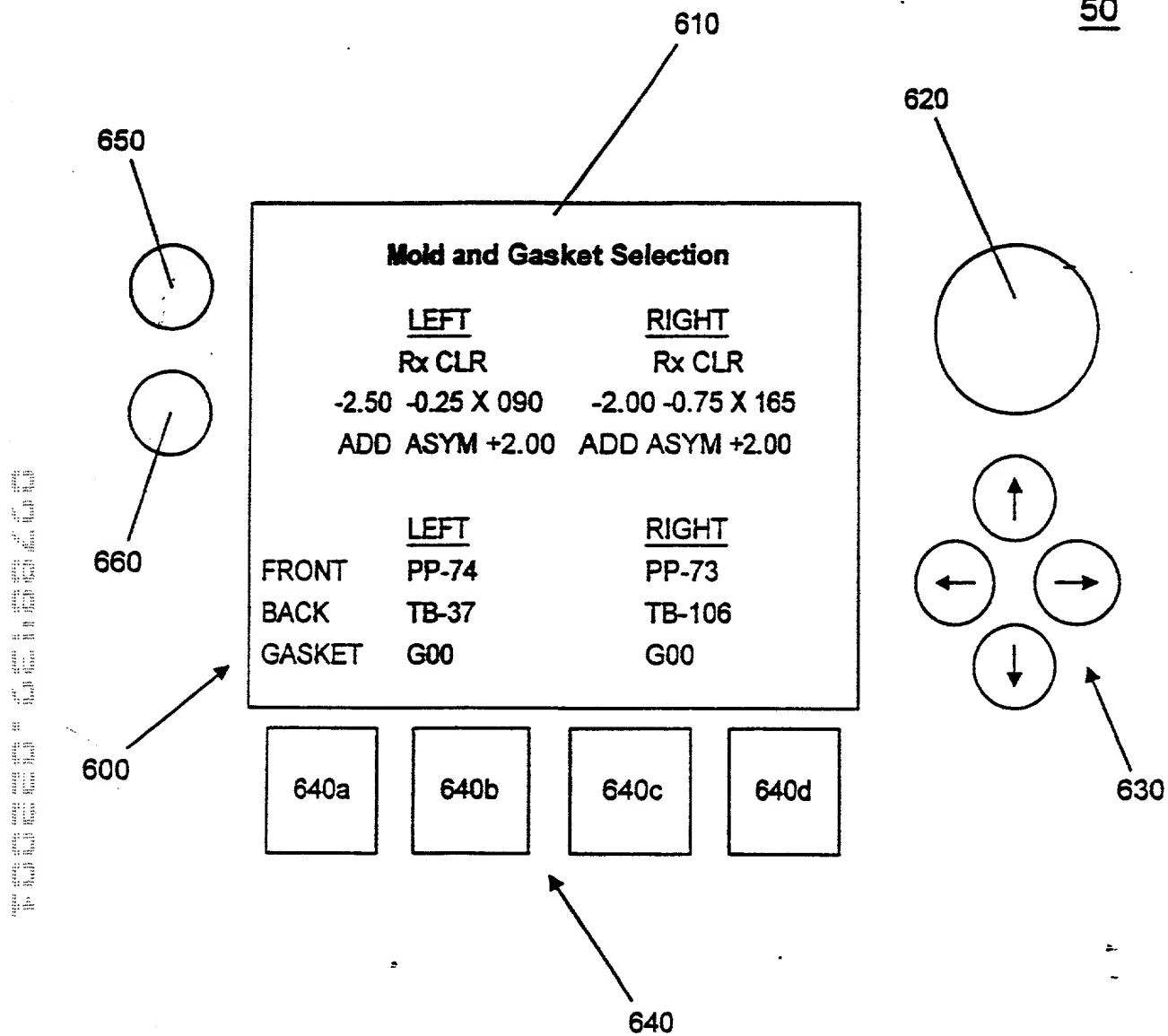
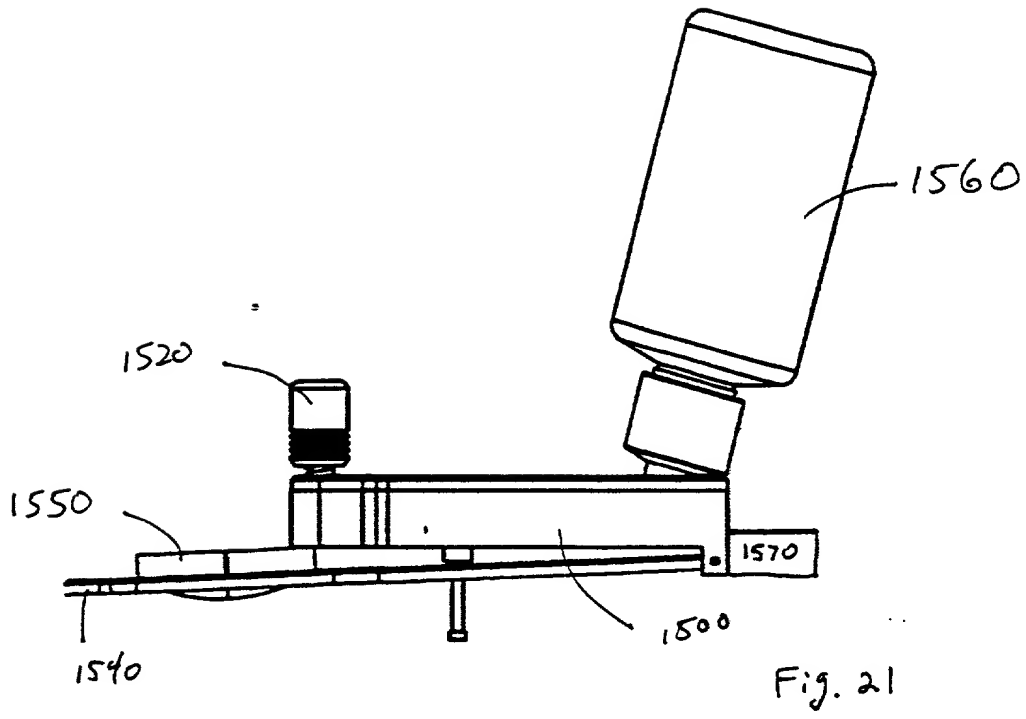
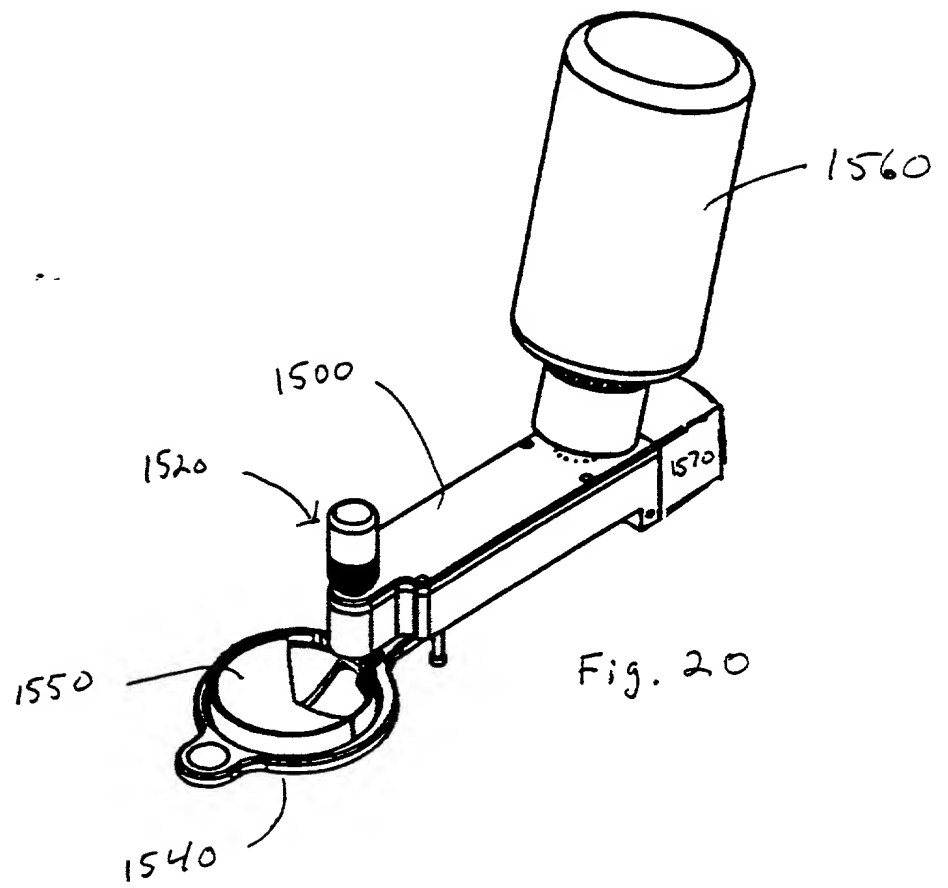
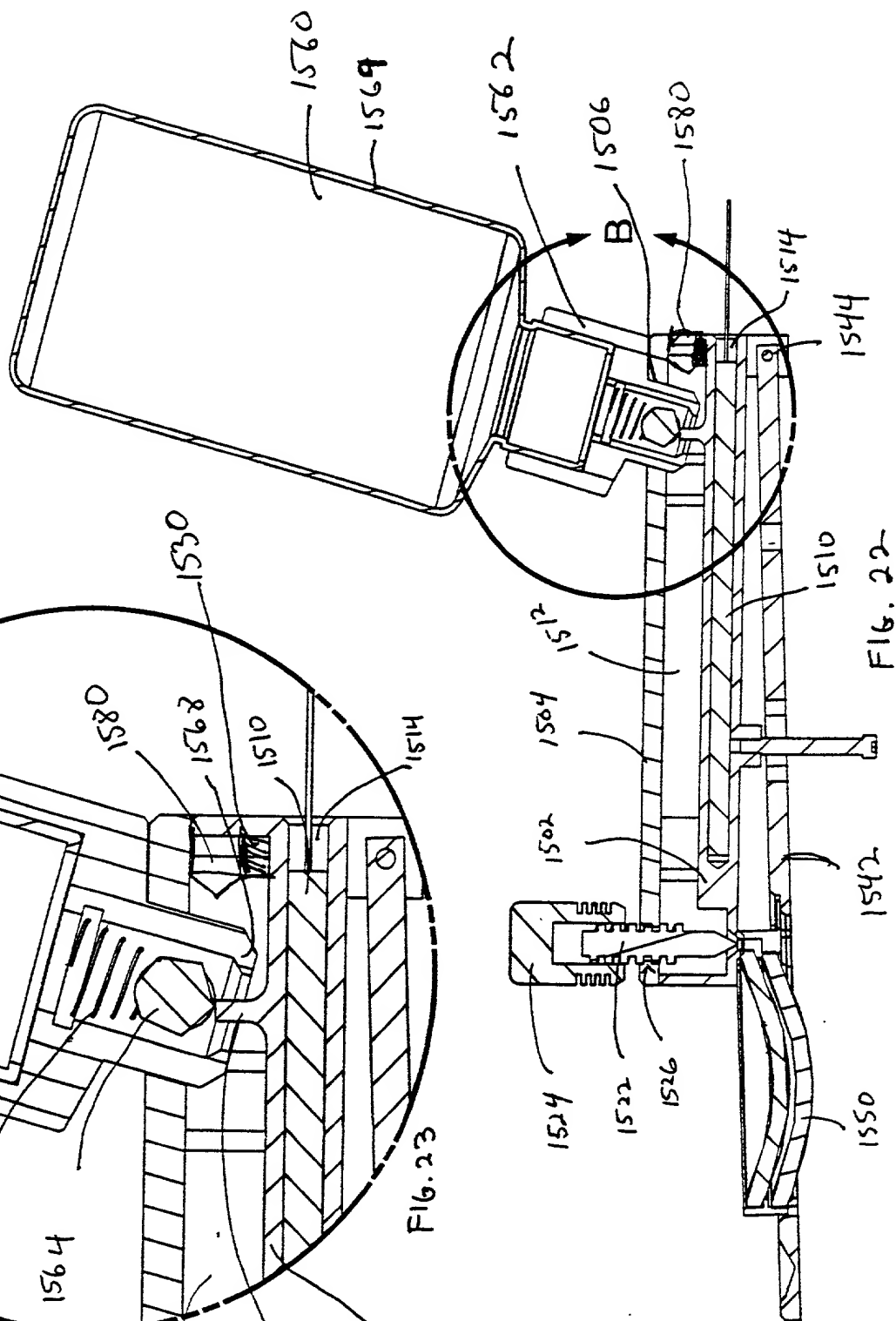
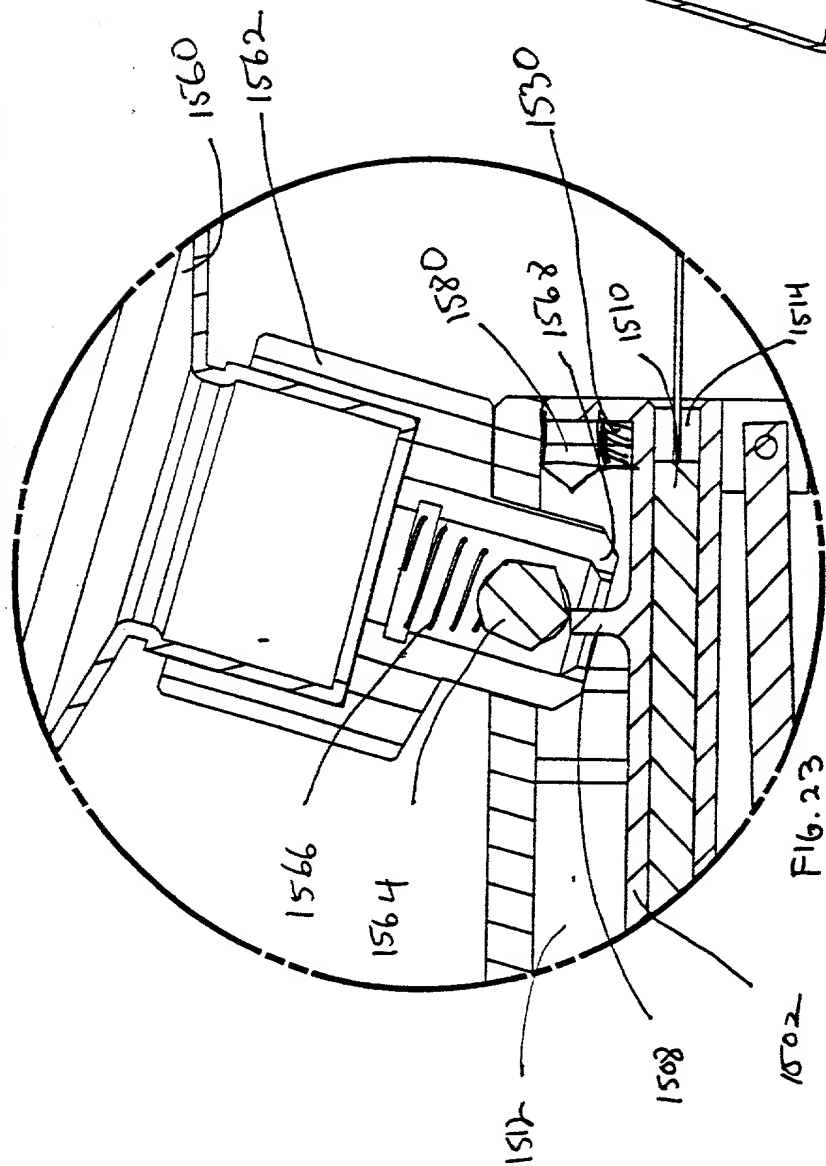


FIG. 19





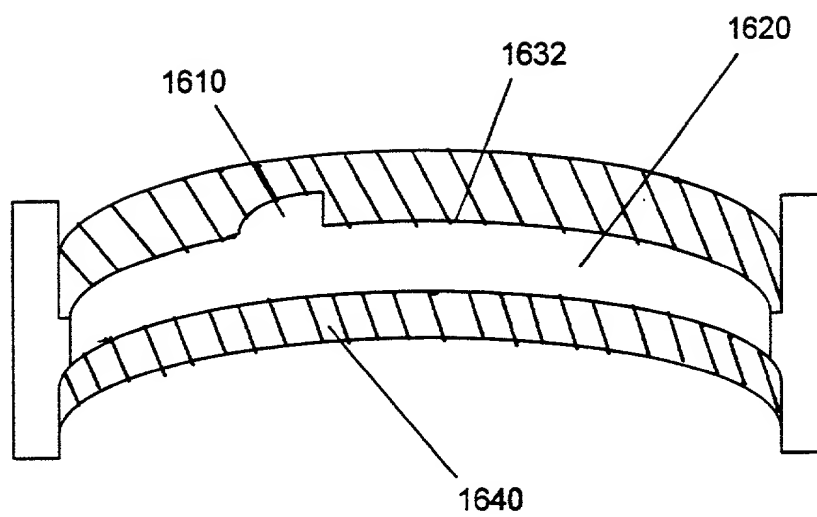


FIG. 24

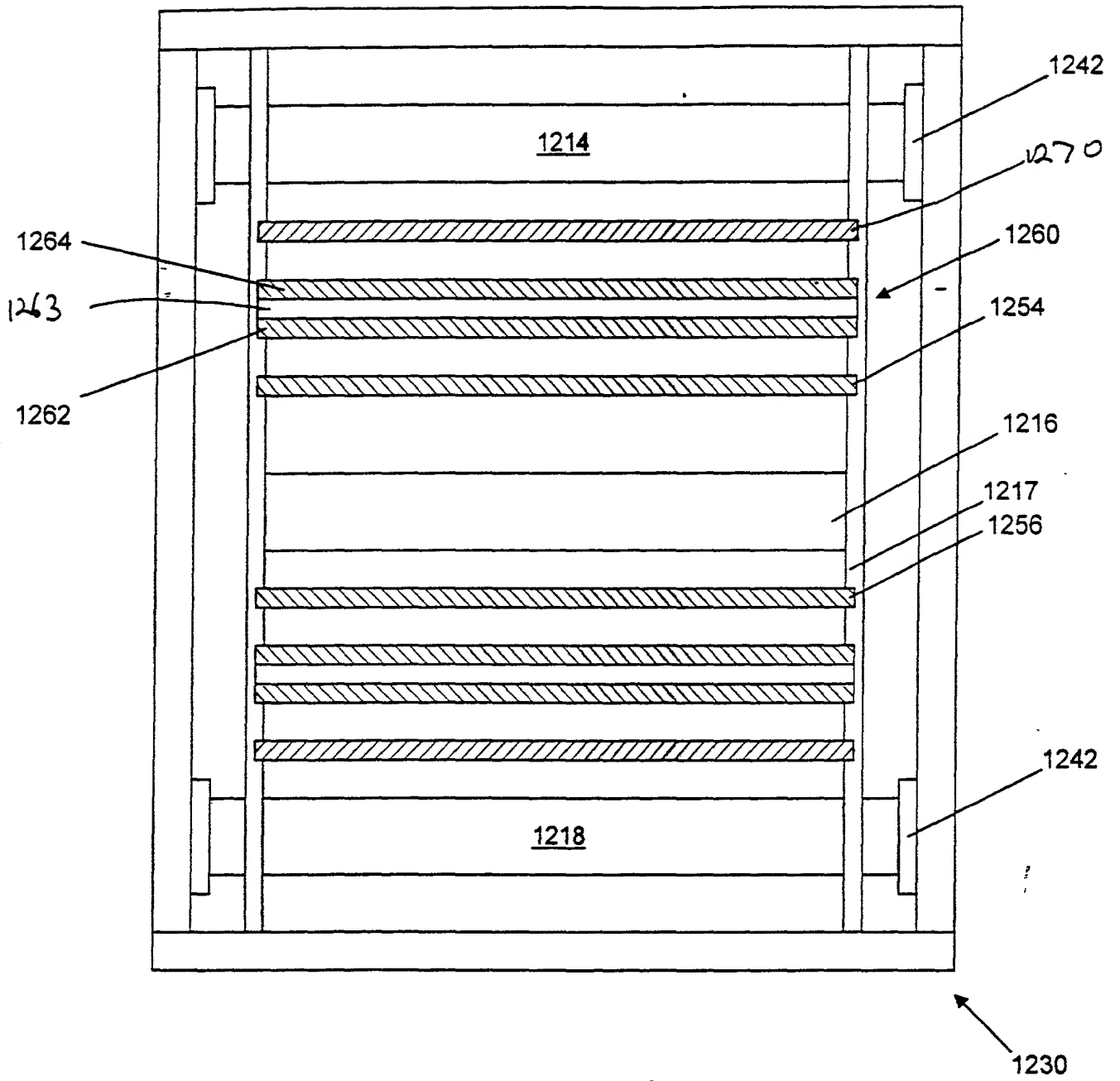


FIG. 25

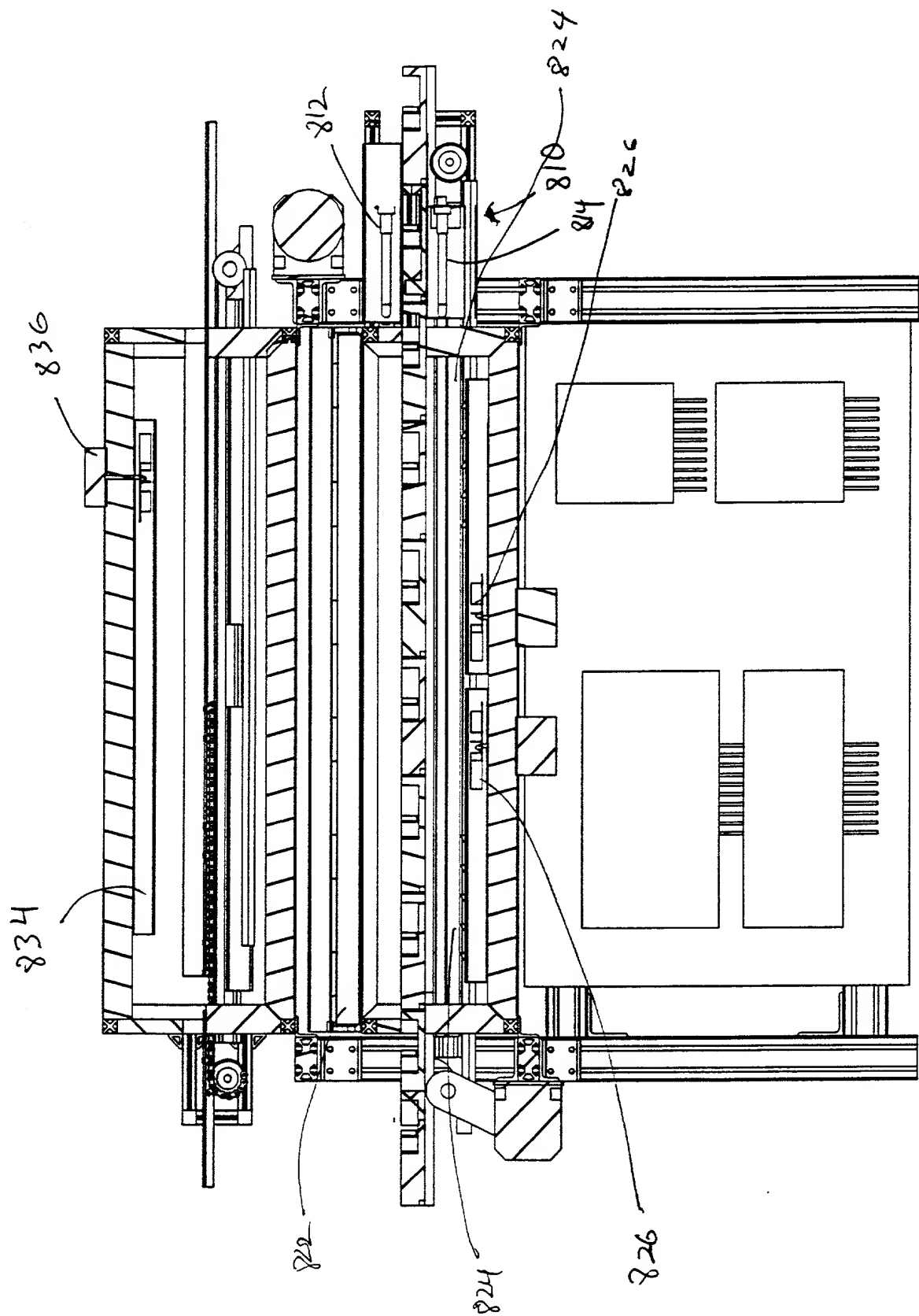


FIG 28

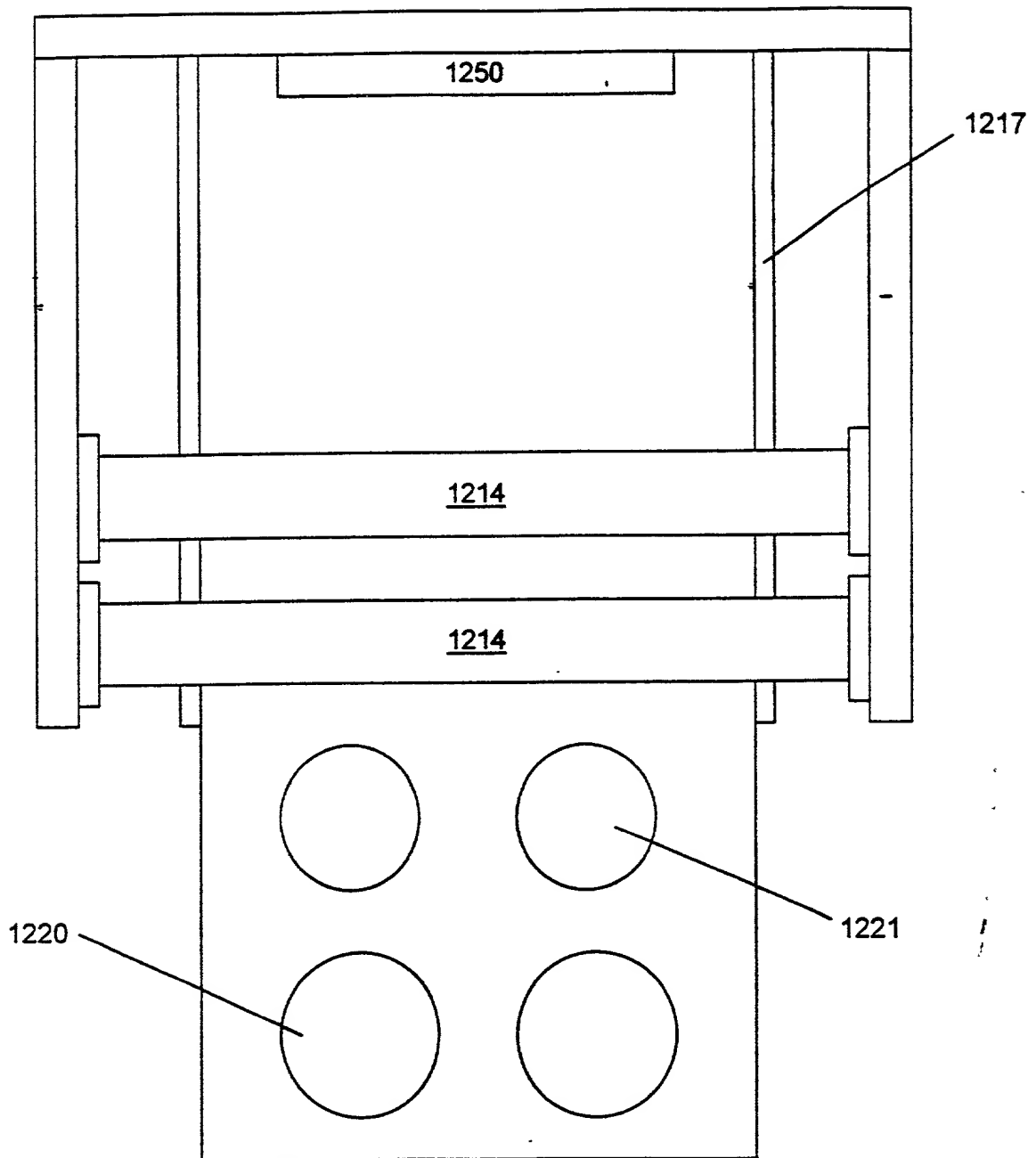


FIG. 26

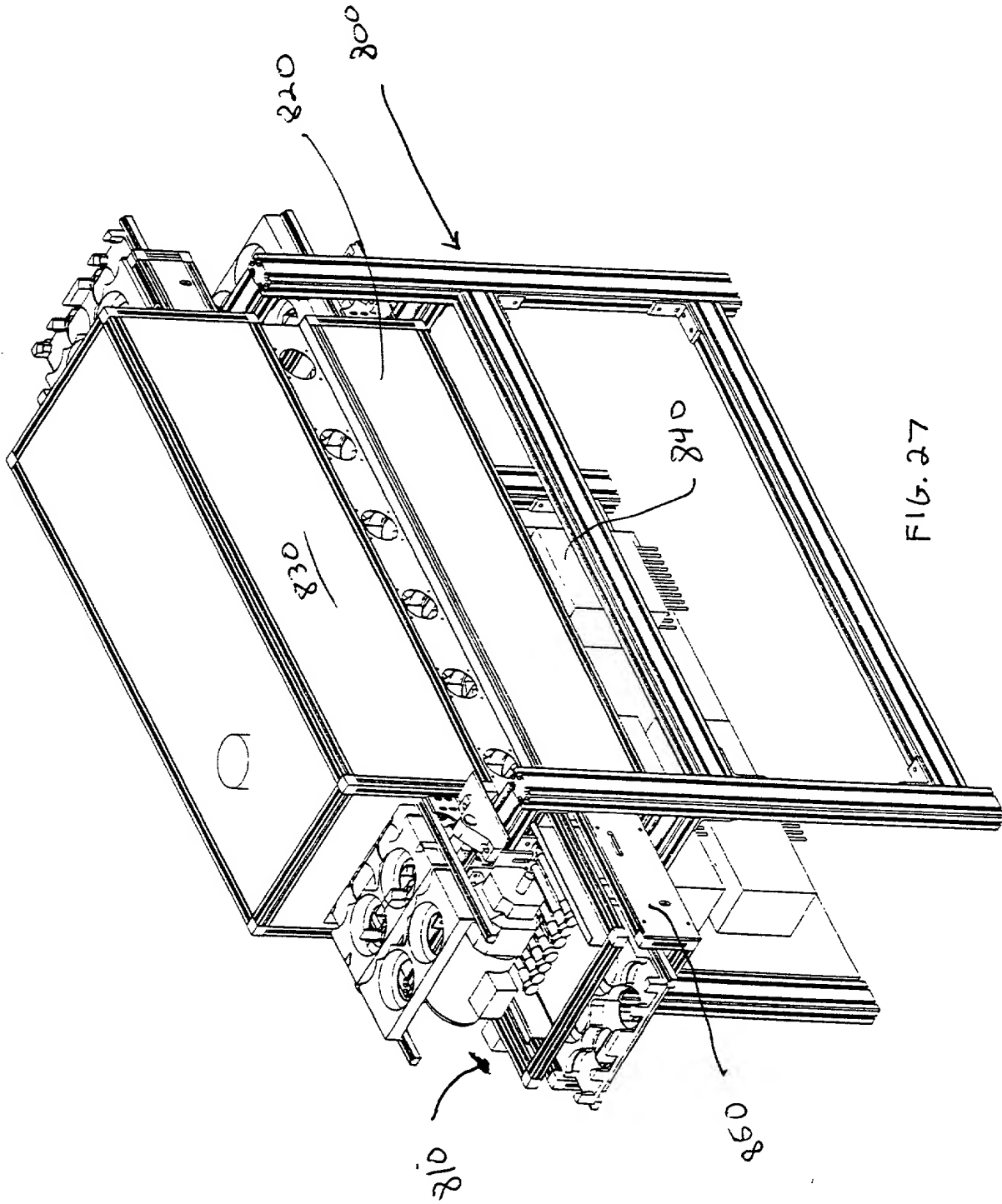


FIG. 27

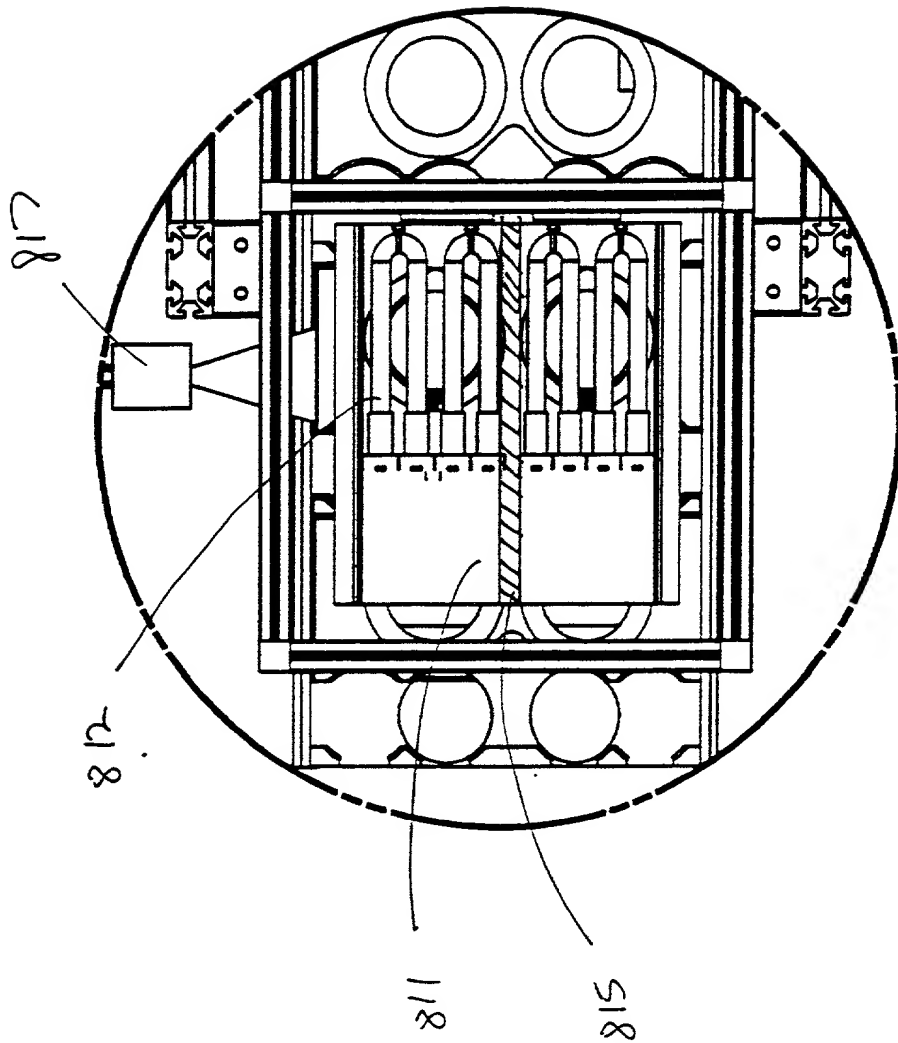


FIG. 30 is a perspective view of the device 100 in a closed position, showing the top surface 110 and the bottom surface 120. The device 100 is a rectangular frame with a central opening 130. The top surface 110 is a flat plate with a central opening 130. The bottom surface 120 is a flat plate with a central opening 130. The device 100 is shown in a closed position, where the top surface 110 and the bottom surface 120 are aligned with each other.

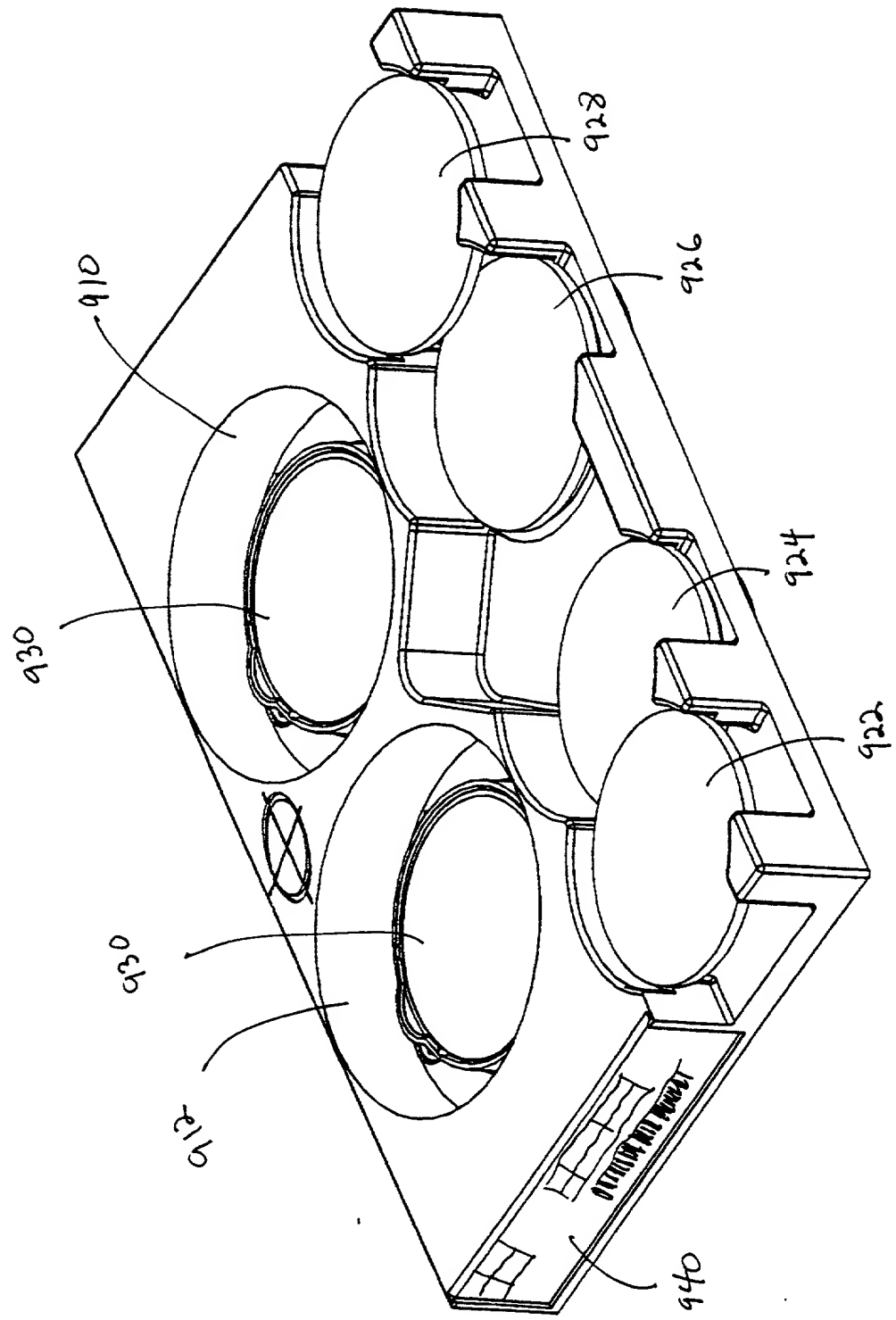


FIG. 30

FIG. 31 is a perspective view of the structure of FIG. 30, showing the structure in a folded position.

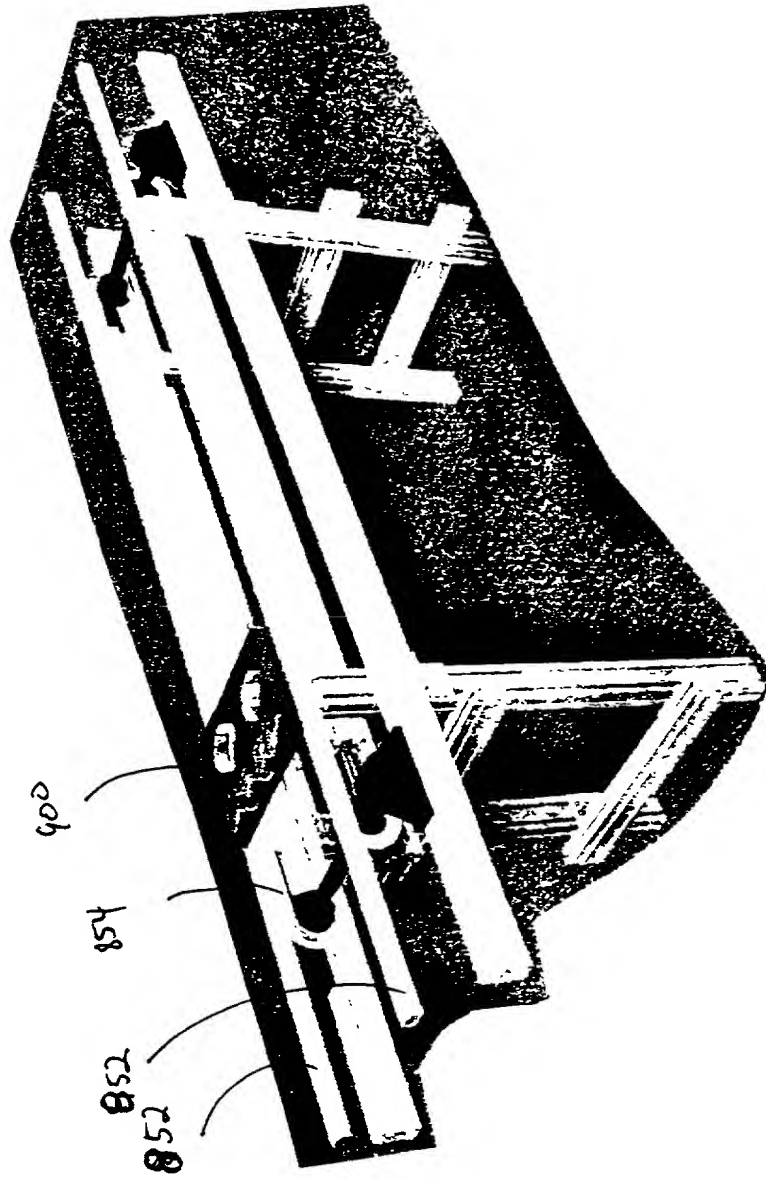


FIG. 31

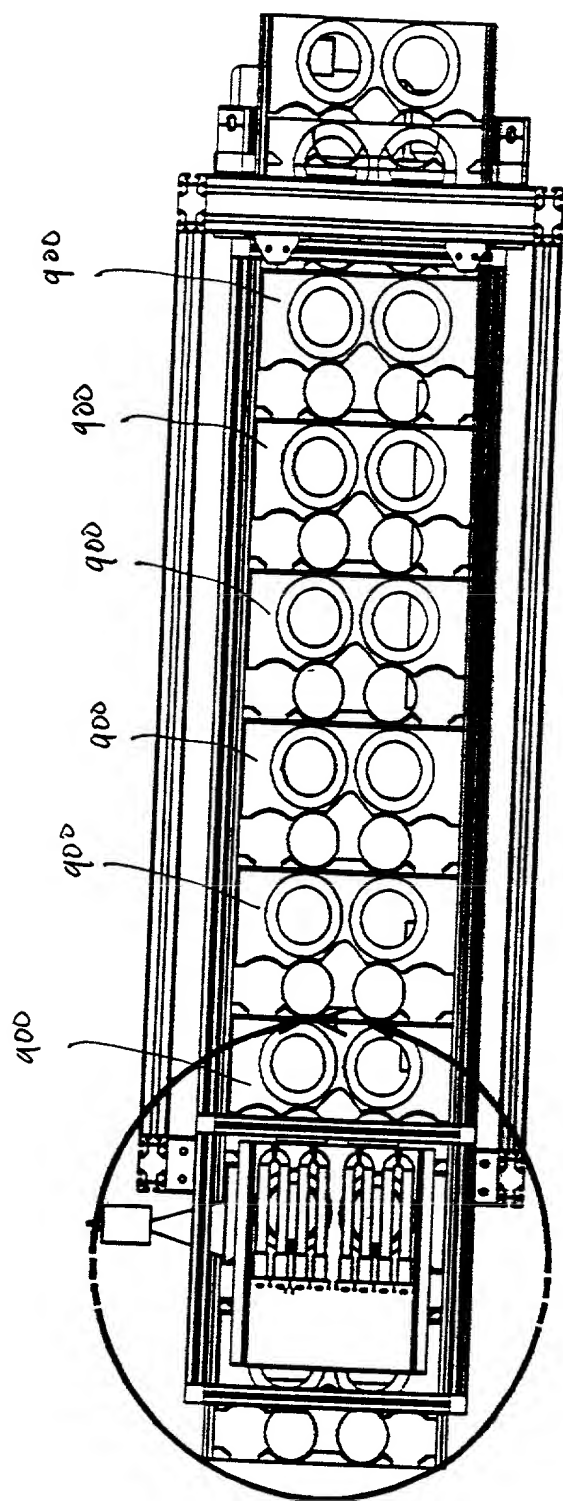


FIG. 32

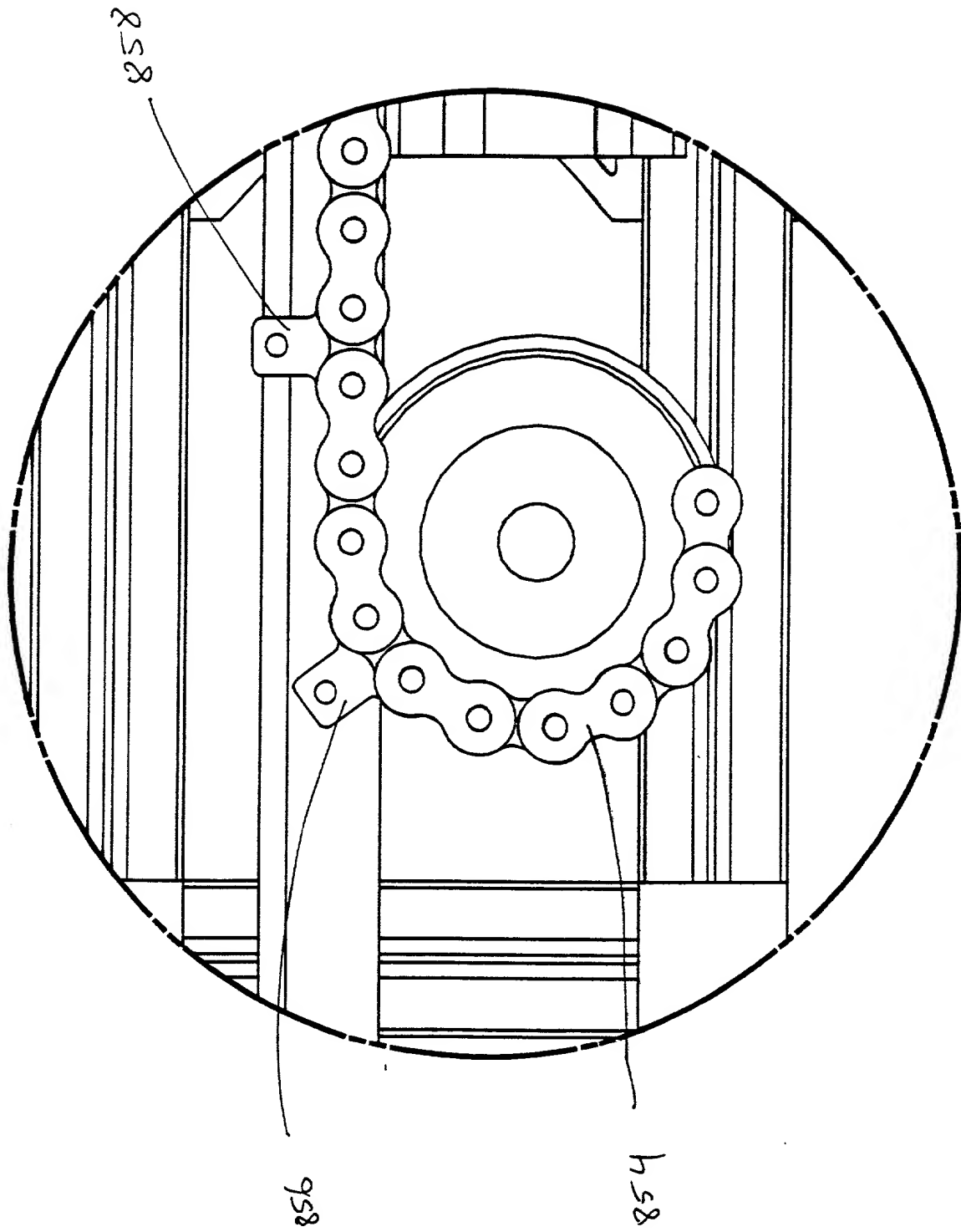
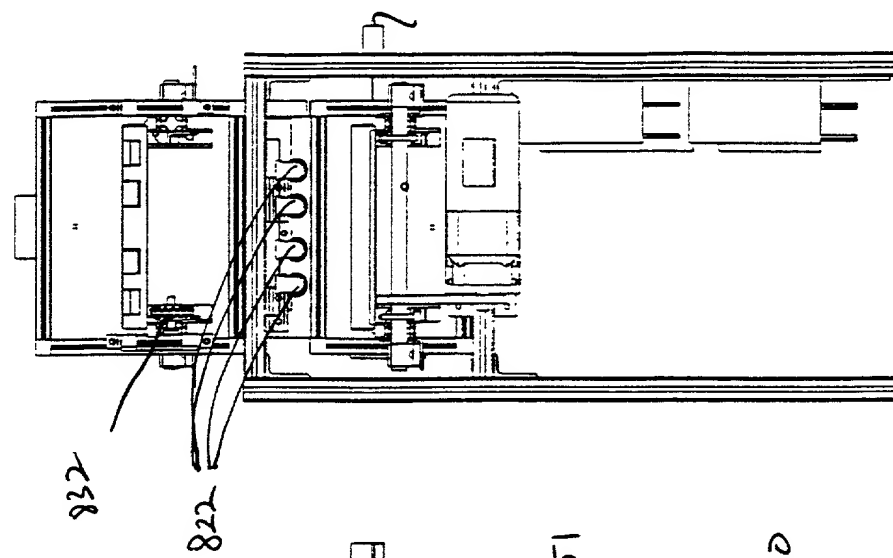
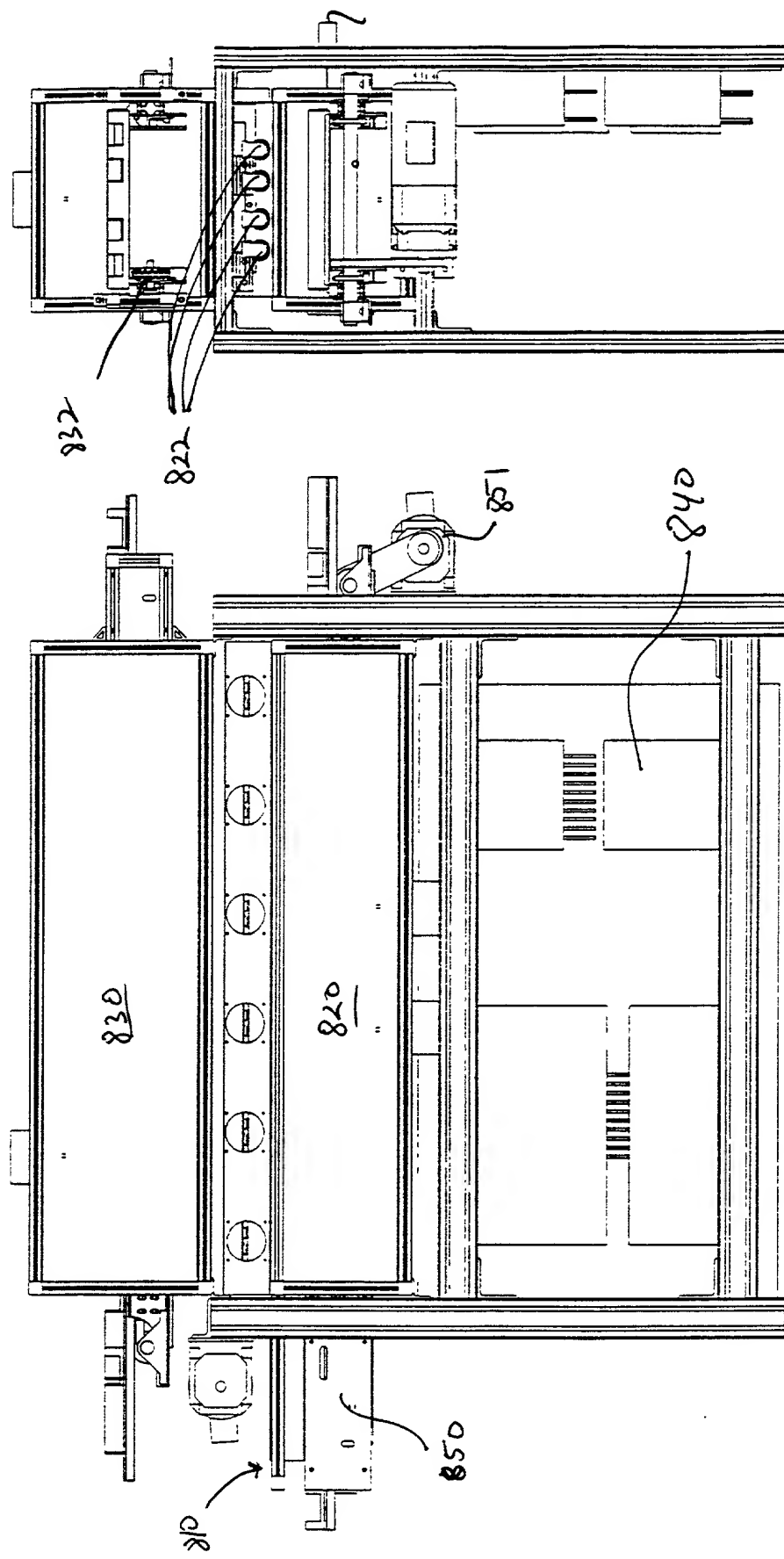


FIG. 33



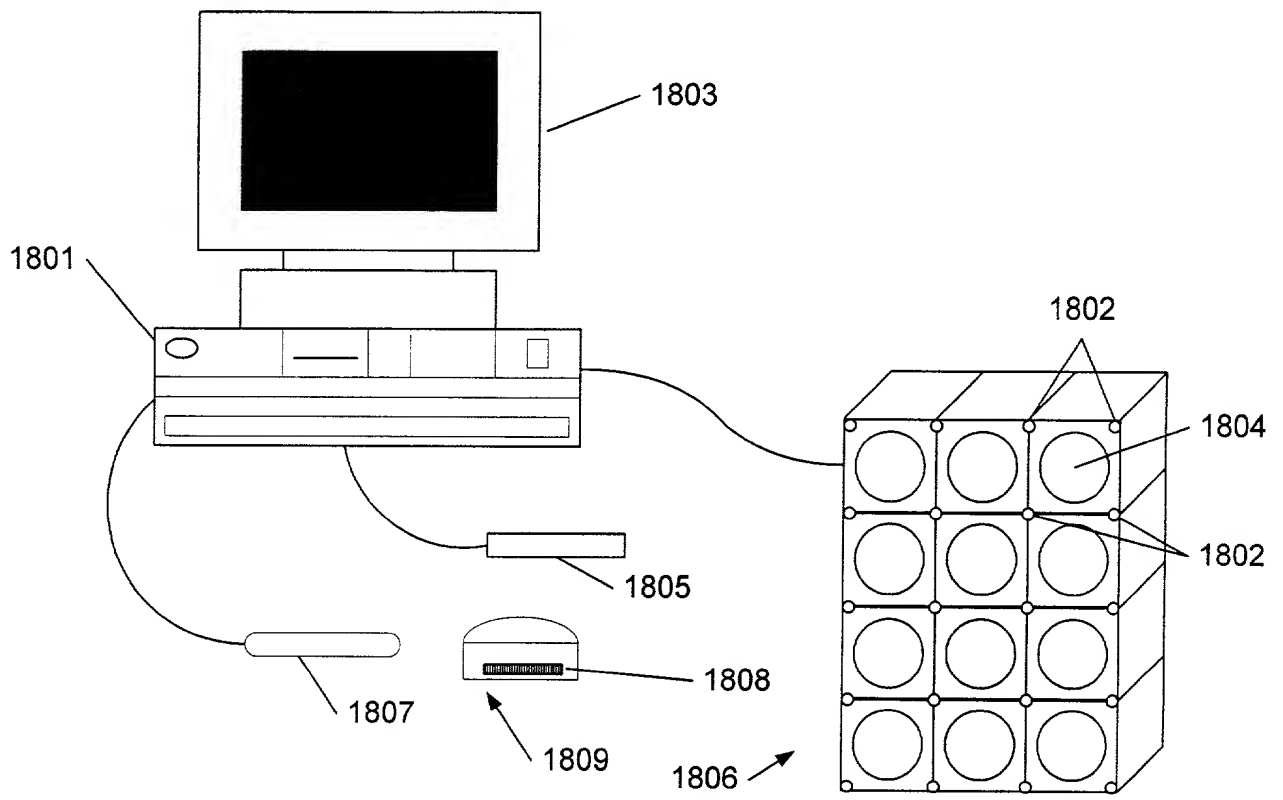
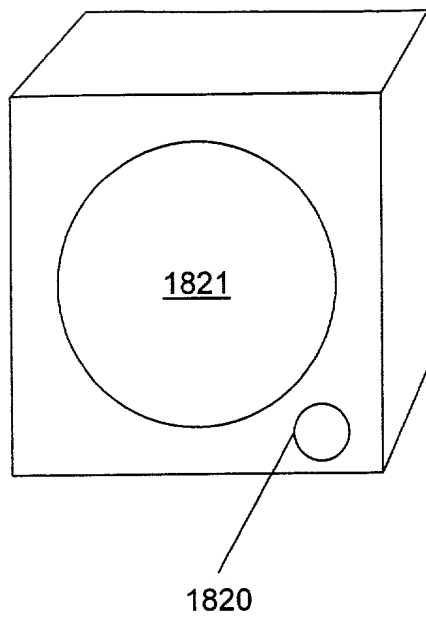
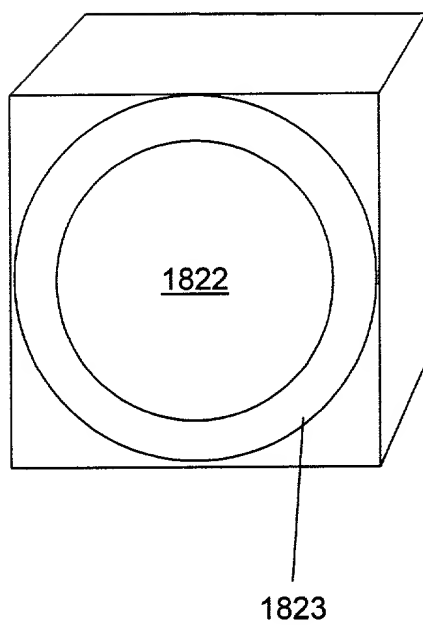


Fig.36



(a)



(b)

Fig. 37

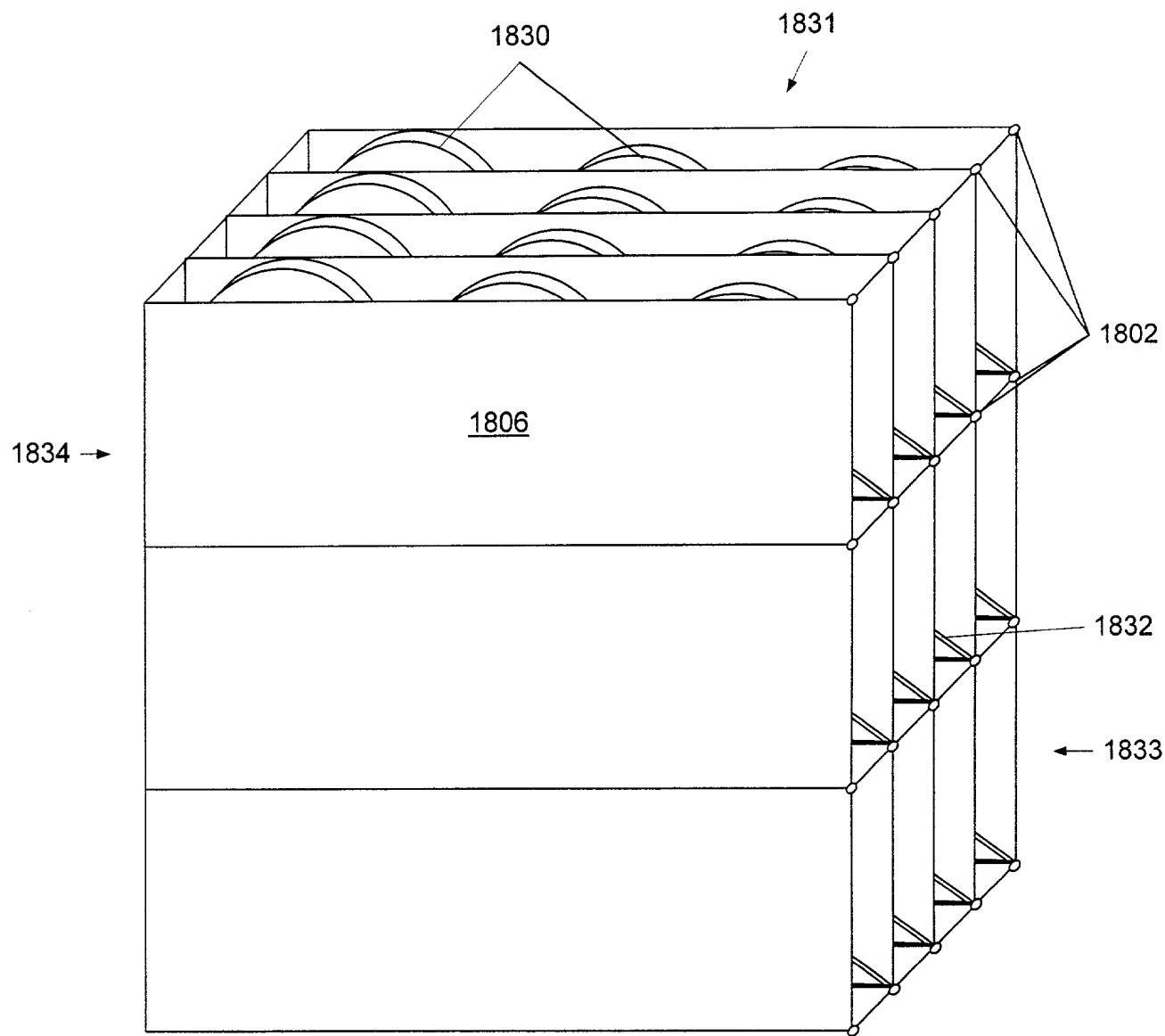


Fig. 38

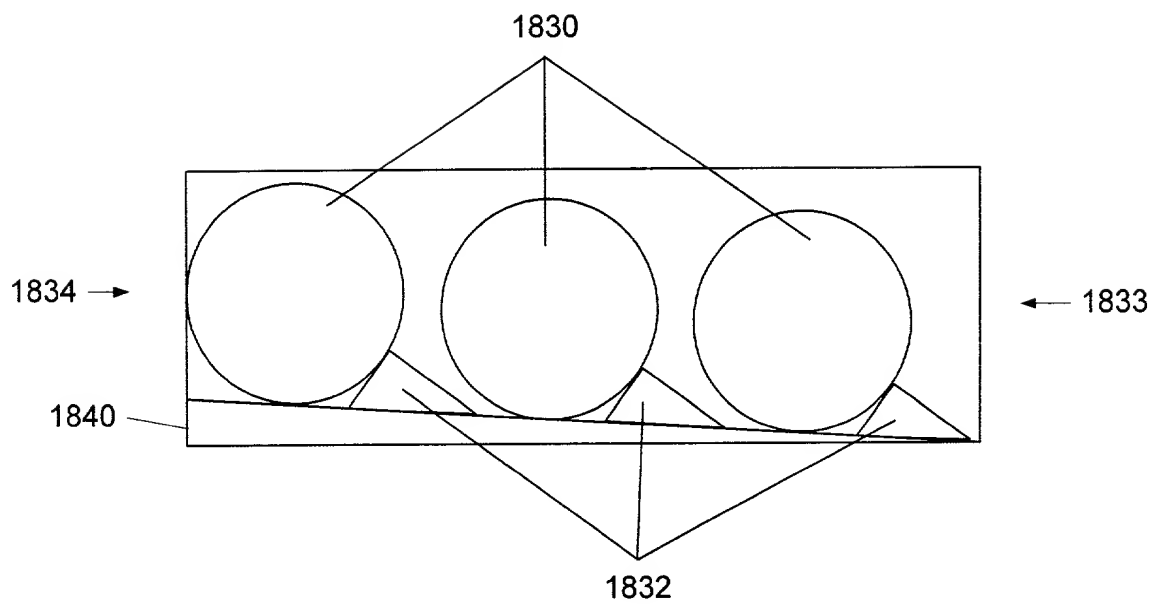


Fig. 39

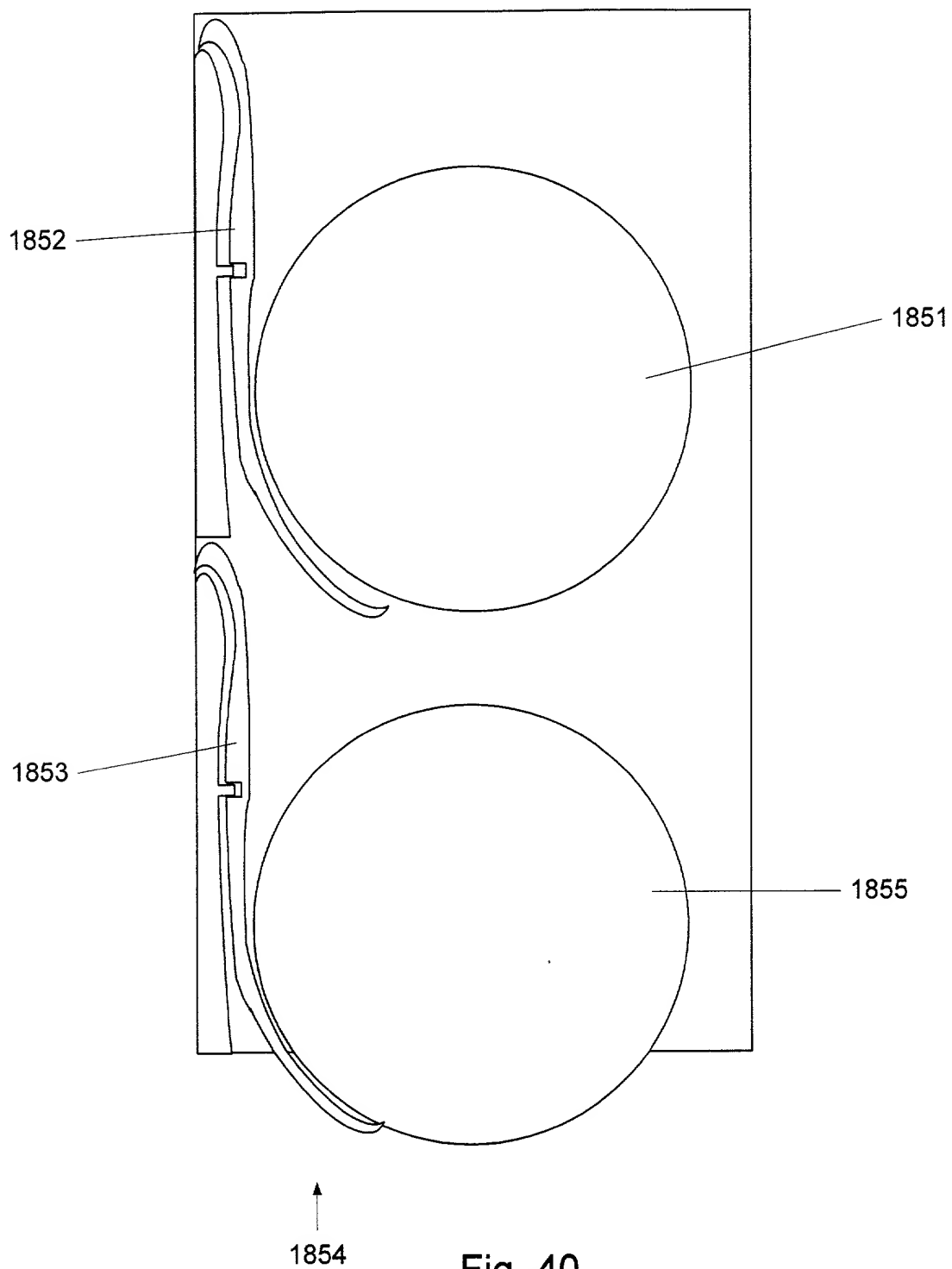


Fig. 40

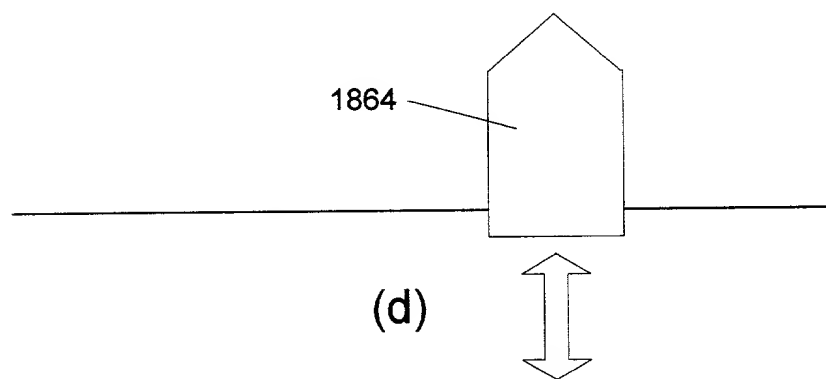
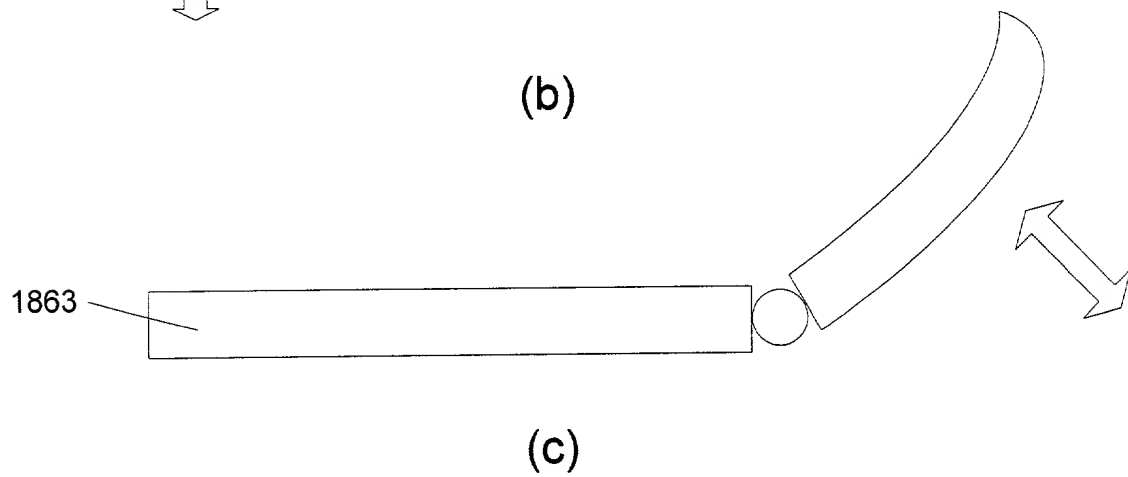
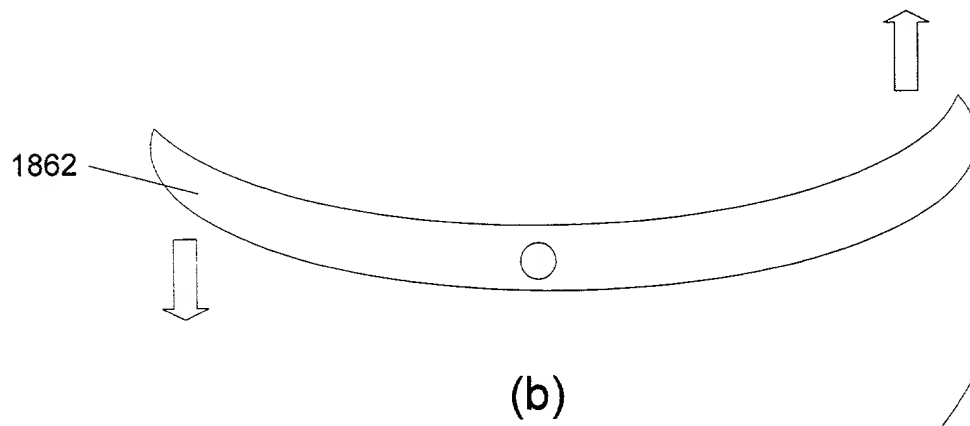
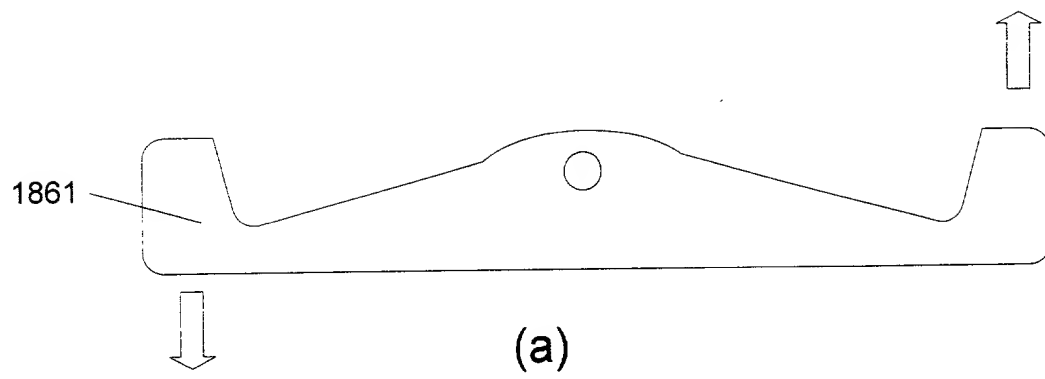
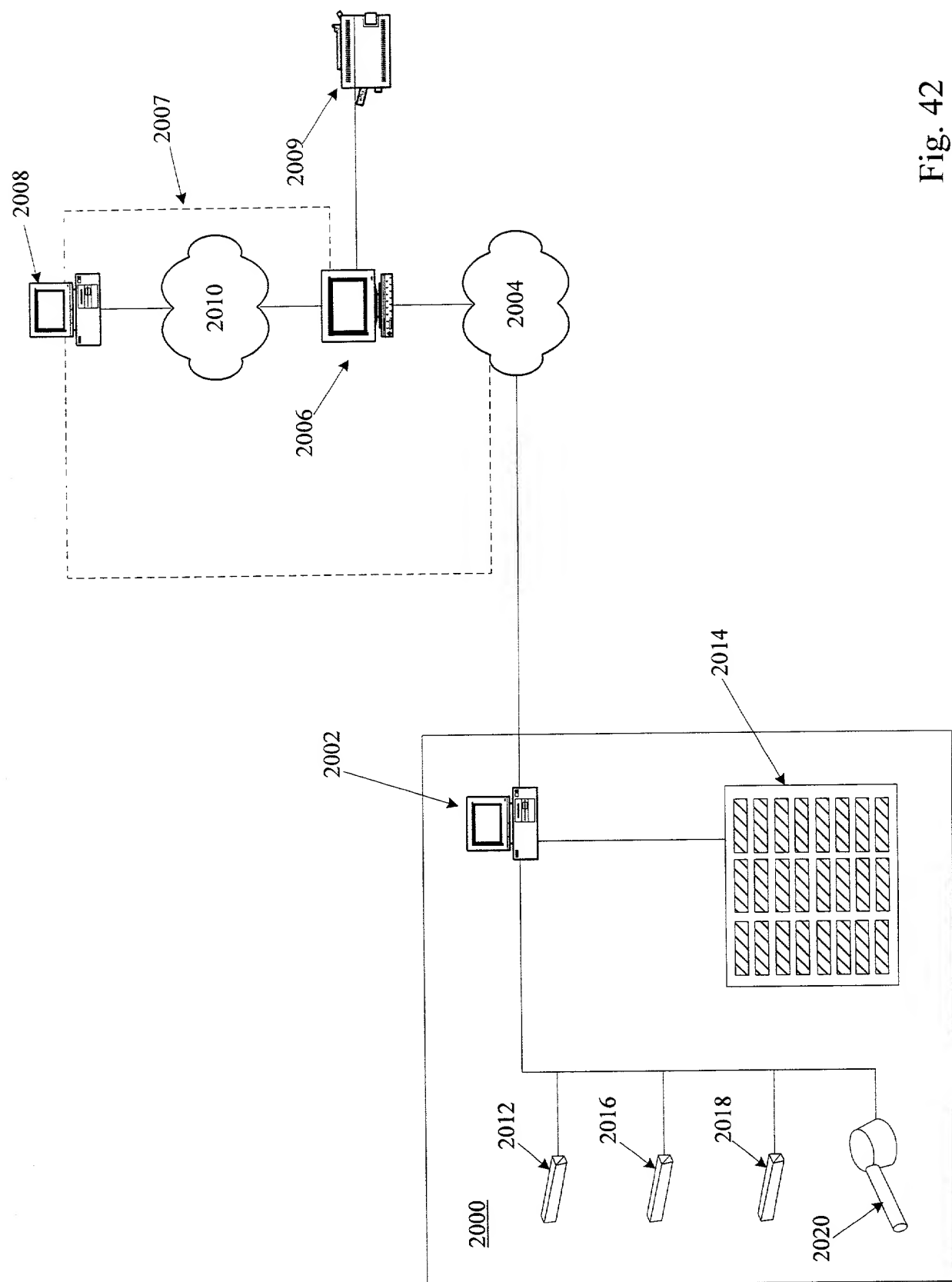


Fig. 41



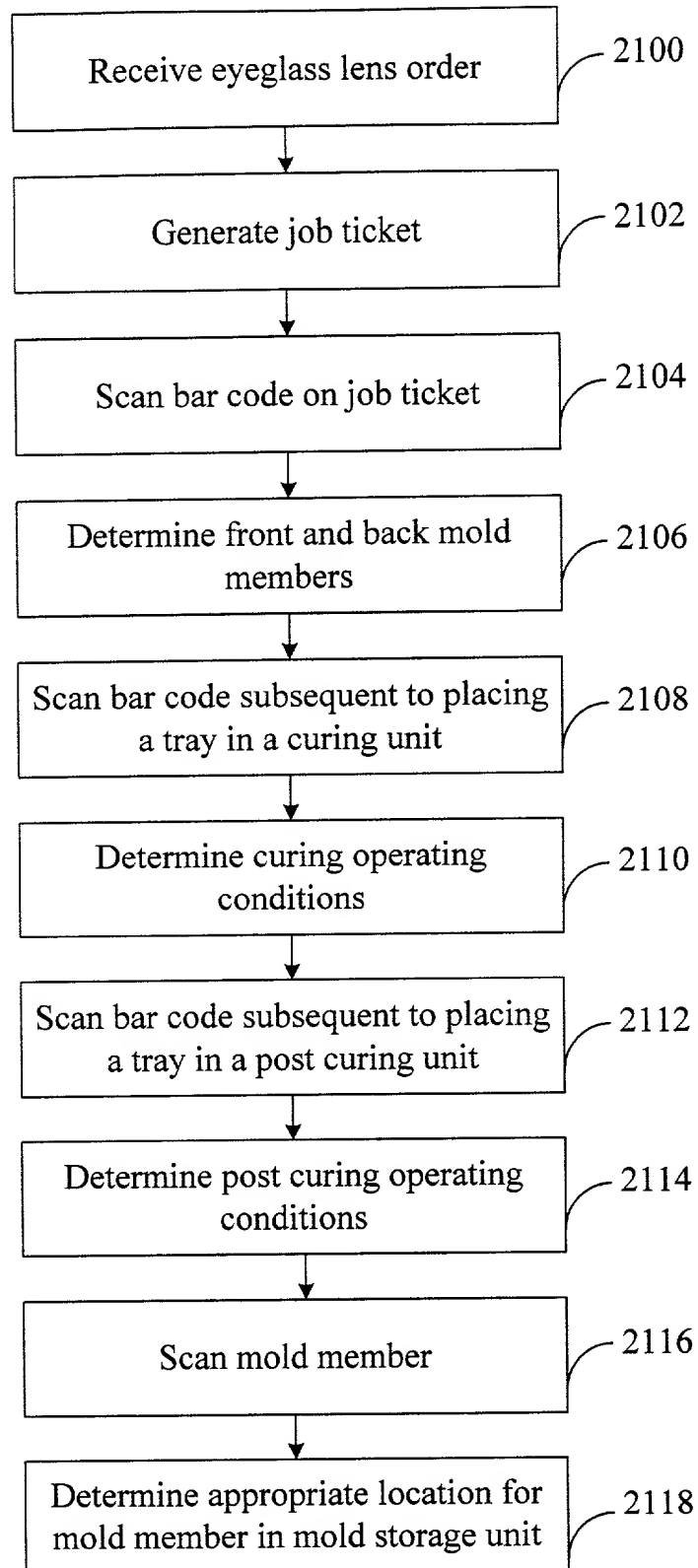
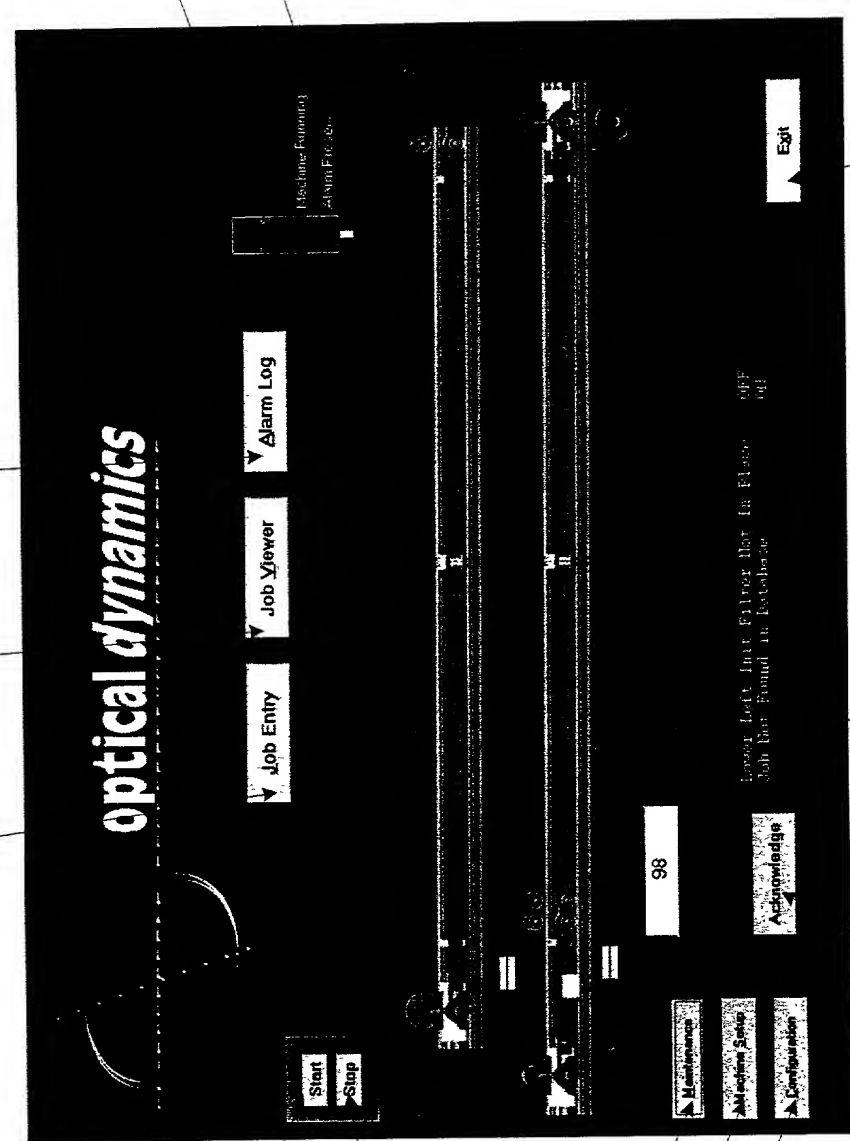


Fig. 43

optical dynamics

2202 2204 2206



2208

2210

2214

2216

2218

2200

Fig. 44

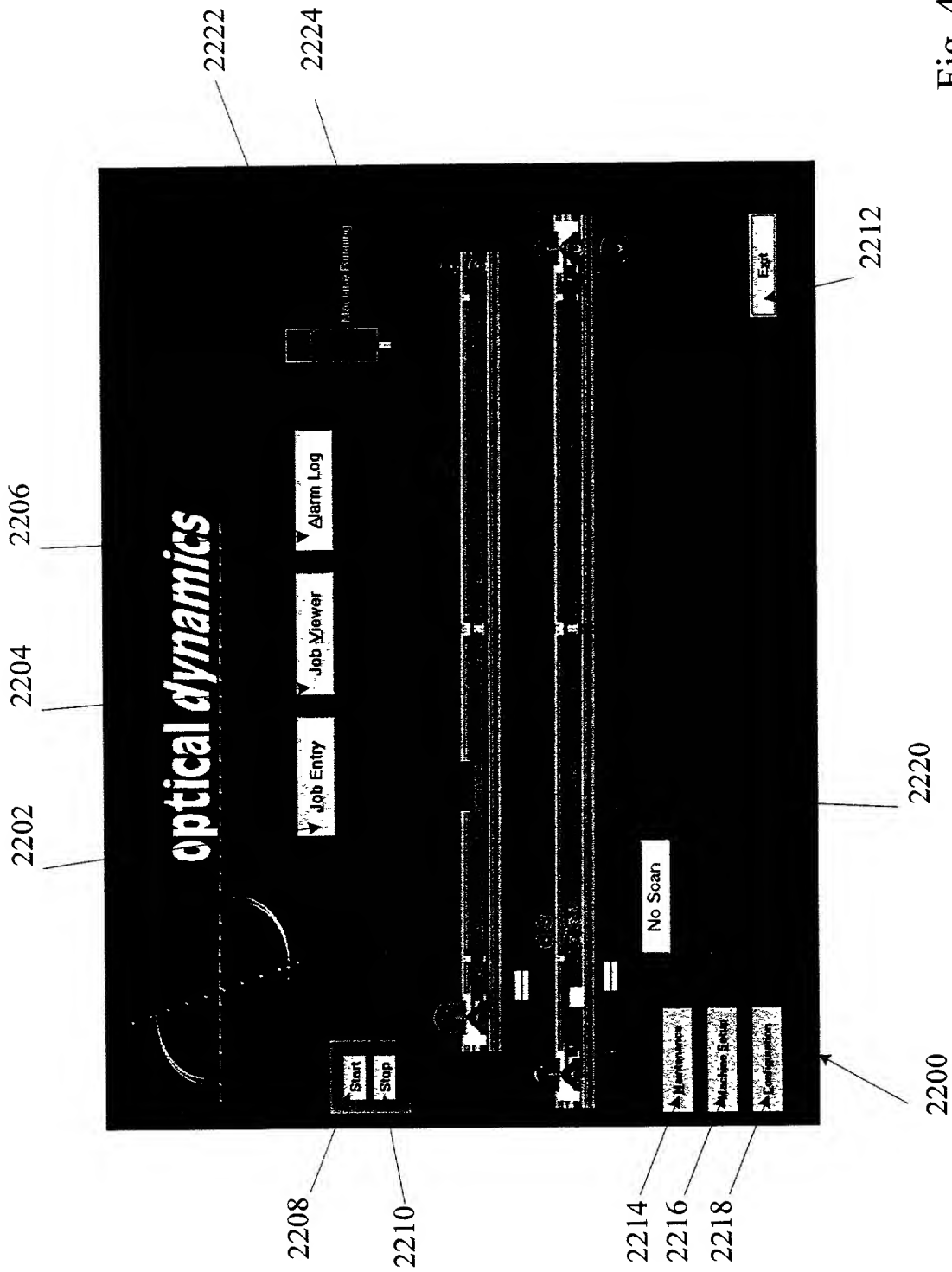


Fig. 45

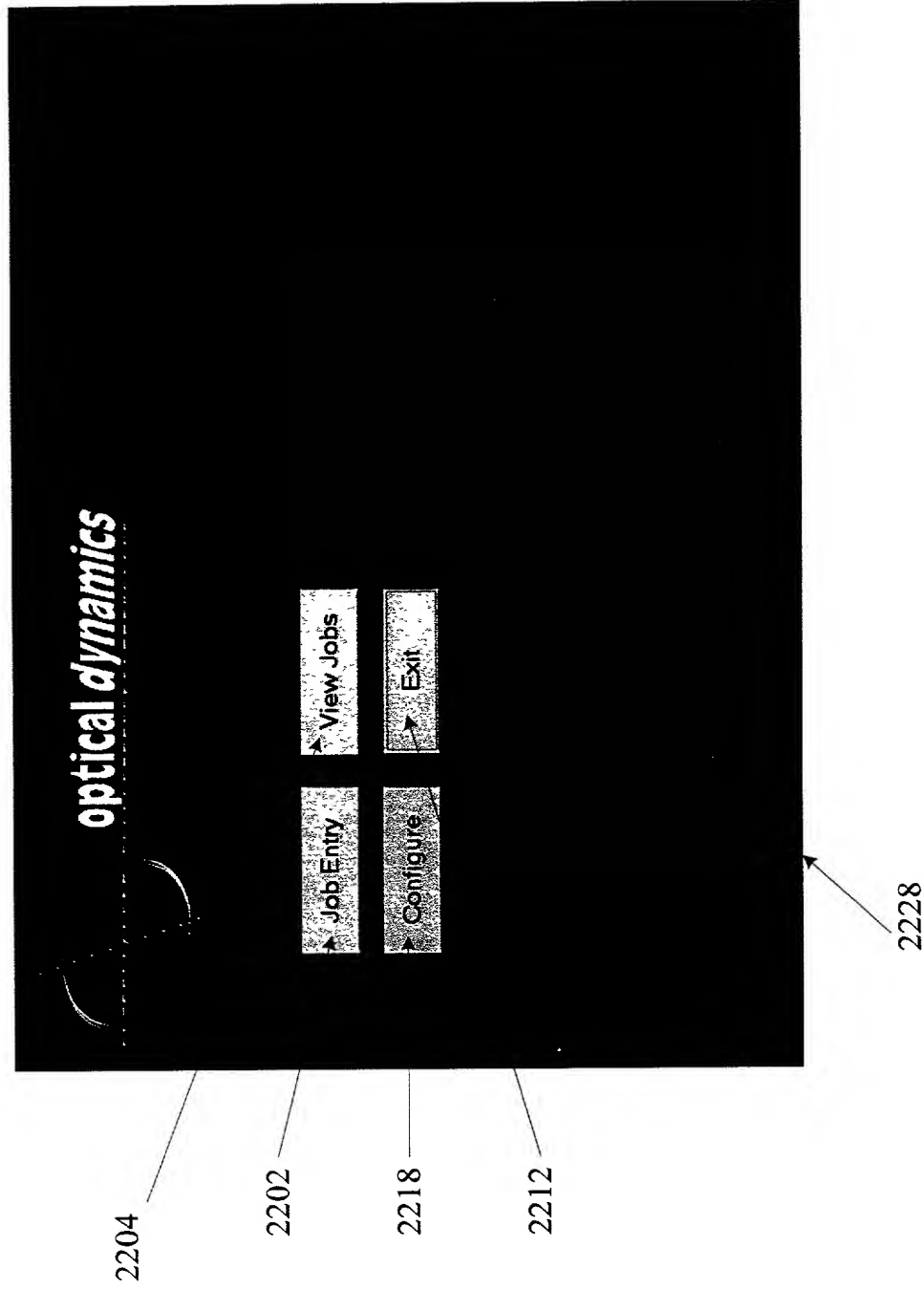


Fig. 46

Job Entry

Job # Patient Name 2232

Tray #

Bin Location

Priority
☐ Normal
☐ Re-Work

Job Type
☐ Right & Left Lens
☐ Right Lens Only
☐ Left Lens Only

Lens Type
☐ Aspheric
☐ Single Vision
☐ Flat Top
☐ Paradigm Progressive

Monomer/Tint
☐ Clear
☐ Clear w/ Tint
☐ Grey

Right Eye
Sphere Cylinder

Left Eye
Sphere Cylinder

2234 2236 2238 2240 2230

Cancel Entry Create Job

Fig. 47

Job Viewer

2244

LMS Job #

2246

Patient

Entry Date

Lens Type

Monomer

LMS Tray #

Bin Location

Rx

Left

Right

Power

-6.00

Cylinder

-2.00

Axis

Add

Molds

Left

Right

Front

No

Back

Rx

Gasket

Mold

Filter

Recipe

Transposed

Re-Print

Close

2248

2280

2242

Fig. 48

upper portion of the alarm log window 2252, the alarm log window 2252 displays the alarm log data 2254 in a table format.

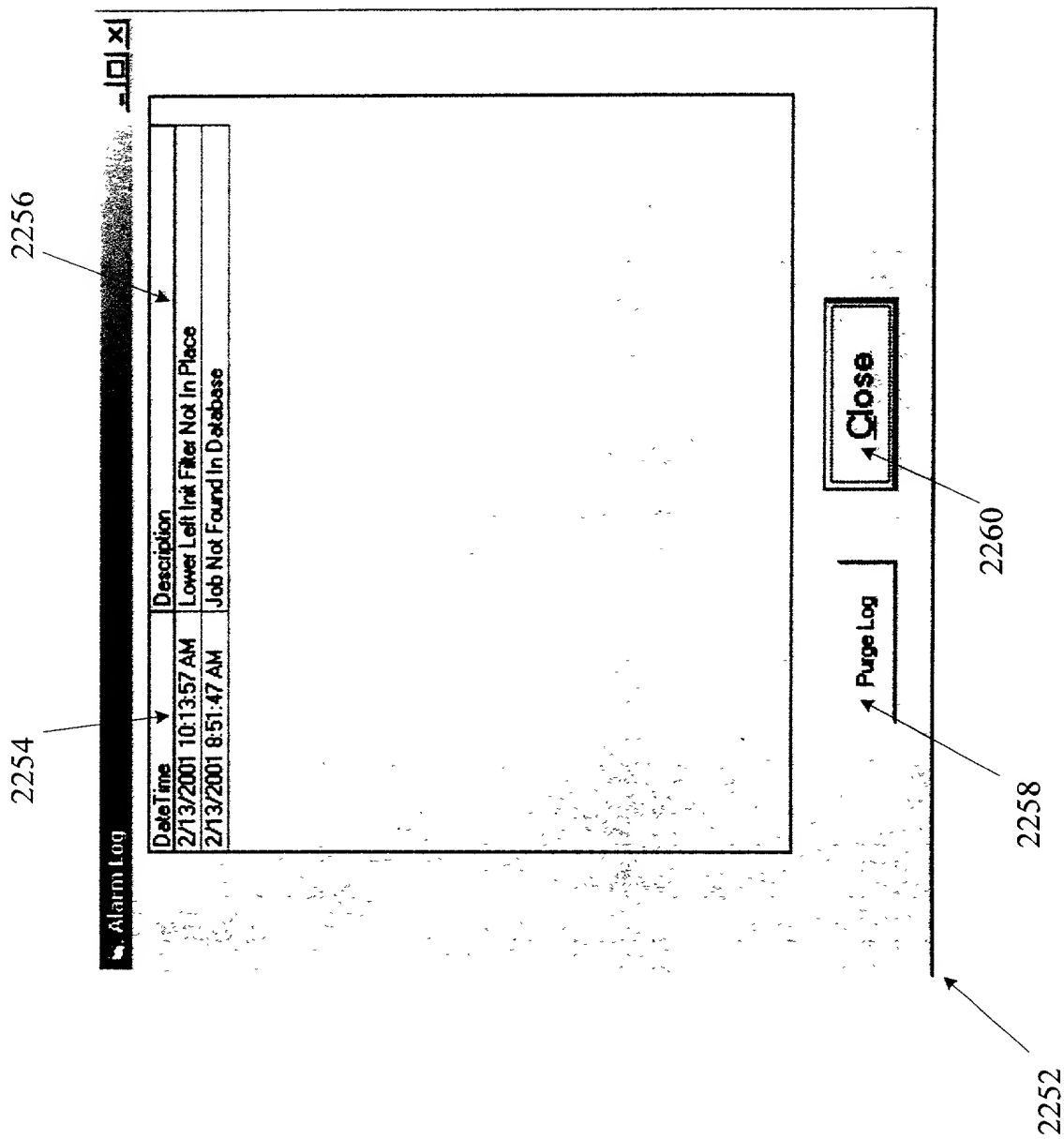


Fig. 49

Maintenance

Temperatures

Post-Cure Chamber 195.3	Anneal Chamber 217.4
On Time (min) 289.93 % 26.69 Reset	On Time (min) 254.73 % 23.45 Reset

Current Draws

Upper Left Init Lights 0.00	Upper Right Init Lights 0.00
Lower Left Init Lights 0.00	Lower Right Init Lights 0.00
Rear Post-Cure Lights 4.60	Front Post-Cure Lights 3.62

Digital Inputs, Slot 3

- Start PushButton ☐
- Stop PushButton ☐
- Anneal Conv Encoder ☐
- Top Lft Filtr In Prox ☐
- Top Rgt Filtr In Prox ☐
- Bot Lft Filtr In Prox ☐
- Bot Rgt Filtr In Prox ☐
- Top Lft Filtr Out Prox ☒
- Top Rgt Filtr Out Prox ☒
- Bot Lft Filtr Out Prox ☒
- Bot Rgt Filtr Out Prox ☒
- Air Pressure OK ☒
- Bot HiTemp Sens OK ☒
- Top HiTemp Sens OK ☒
- Init Conv Encoder ☐
- Post-Cure Conv Enco: ☐

Digital Inputs, Slot 4

- Front Post-Cure Lgt Flt ☐
- Rear Post-Cure Lgt Flt ☐
- Init Drv IOC Flt ☐
- Post-Cure Drv IOC Flt ☐
- Anneal Drv IOC Flt ☐
- Tray Clear @ Xfer PE ☐
- PstCure FanOvrid OK ☒
- Anneal FanOvrid OK ☒
- Init Drv Ovrid OK ☒
- Anneal Drv Ovrid OK ☒
- PstCure DrvOvrid OK ☒
- Post-Cure Drive Alarm ☐
- Init Drive Alarm ☐
- Anneal Drive Alarm ☐
- Bot Tray Present PE ☐
- Top Tray Present PE ☐

Digital Inputs, Slot 5

- E-Stop #1 ☐
- E-Stop #2 ☐
- Spare ☐
- Spare ☐
- Spare ☐
- Spare ☐
- Spare ☐
- Lft Wait Cyl Ext'd ☒
- Lft Wait Cyl Ret'd ☐
- Rgt Wait Cyl Ext'd ☒
- Rgt Wait Cyl Ret'd ☐
- Lft Init Cyl Ext'd ☒
- Lft Init Cyl Ret'd ☐
- Rgt Init Cyl Ext'd ☒
- Rgt Init Cyl Ret'd ☐

Lamp Life Remaining

TopInit	499.77
BotInit	499.90
PostCure	493.70

Close

2262

2270

2268

Fig. 50

2274

Machine Setup

Anneal Conveyor

High Temp Alarm Limit

Temperature Setpoint

Low Temp Alarm Limit

Post-Cure Conveyor

High Temp Alarm Limit

Temperature Setpoint

Low Temp Alarm Limit

Initialization Lights

High Current Alarm Limit

Low Current Alarm Limit

No Scan Upper Init Time

No Scan Lower Init Time

No Scan Filter Select ☐

Post-Cure Lights

High Current Alarm Limit

Low Current Alarm Limit

Lamp Maintenance

Replaced Top Init Lamps ☐

Replaced Bot Init Lamps ☐

Replaced Post-Cure Lamps ☐

Save Changes

Cancel Changes

2272

2278

2280

2276

Fig. 51

2282

Recipe DB [C:\OptDyn\MGR112700.mdb] Browse... 2284 2286 2288

Job DB [C:\OptDyn\JobTickets.mdb] Browse... 2290

Ticket Dir [C:\OptDyn\] Browse... 2292

Ticket Poll Rate (sec) [2] 2294

Ticket Print Scale (%) [100]

Archive Jobs Every [14] Days Keeping [3] Days

V1.05 Cancel OK

Fig. 52

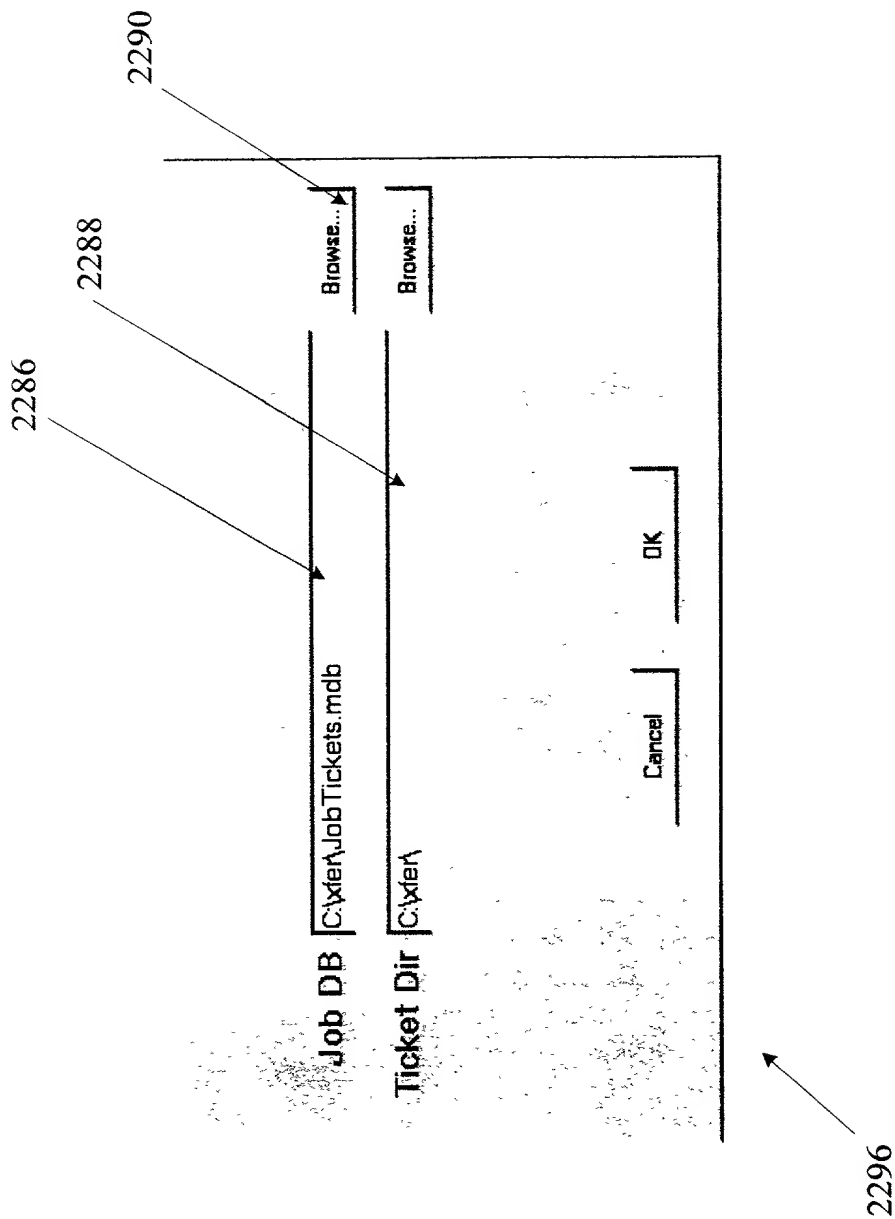


Fig. 53